FP90 Wood Fireplace

Owners & Installation Manual
US Edition

Regency High Efficiency EPA Certified Fireplace
MODEL: FP90

www.regency-fire.com

Tested by: O-T-L

***Installer*: Please complete the details on the back cover and leave this manual with the homeowner.**
***Homeowner:* Please keep these instructions for future reference.**

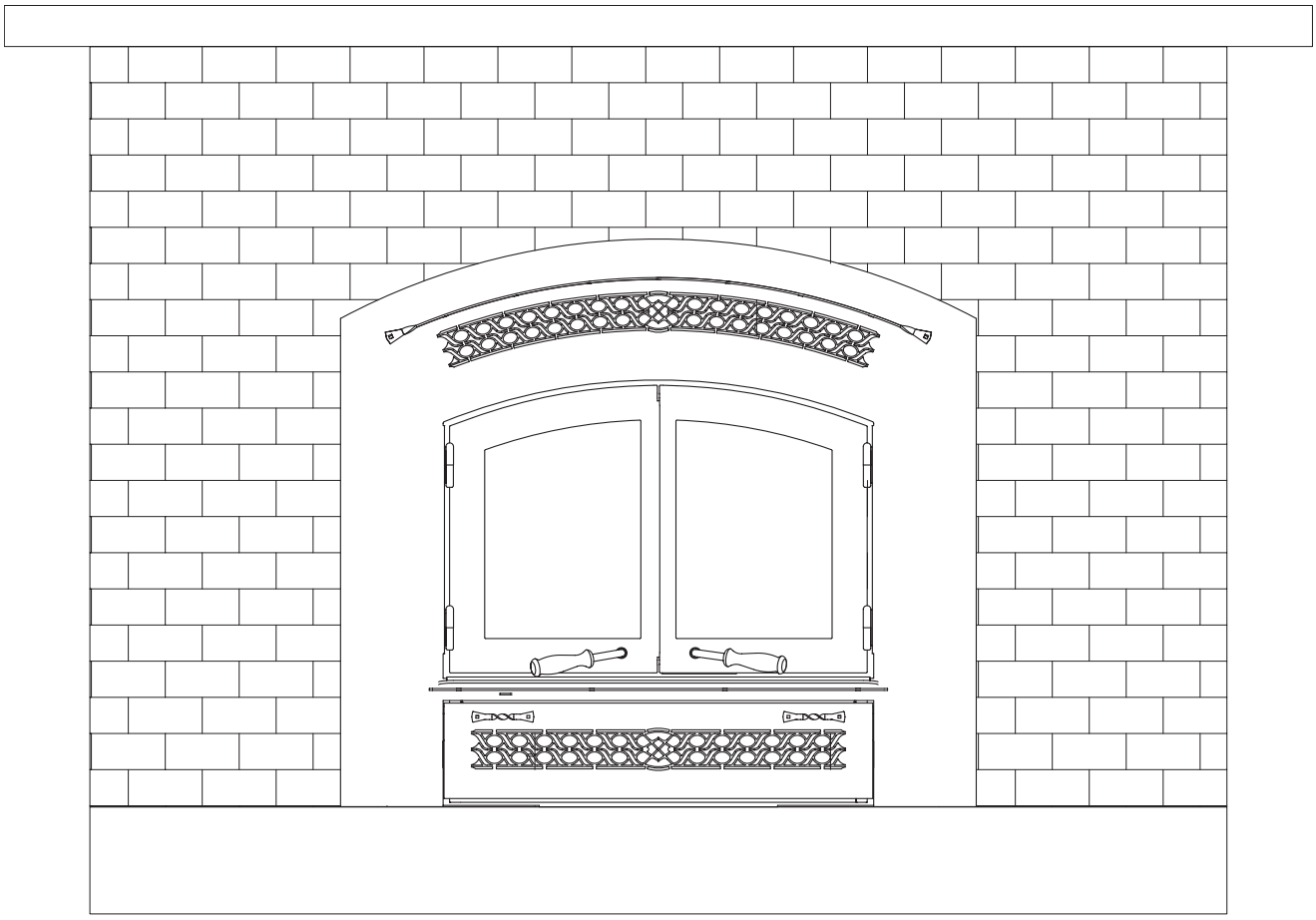
FPI FIREPLACE PRODUCTS INTERNATIONAL LTD. 6988 Venture St., Delta, BC Canada, V4G 1H4

918-386h 01/12/09

Thank-you for purchasing a
REGENCY FIREPLACE PRODUCT.

The pride of workmanship that goes into each of our products will give you years of trouble-free enjoyment. This product has been certified by the Environmental Protection Agency of the United States. This means that it meets the strictest standards in providing you with the latest in clean burning technology and efficiency. Specifications may vary widely. Consult with your **FPI Dealer** for local considerations.

Keep those **REGENCY FIRES** burning.



NATIONAL FIREPLACE INSTITUTE NFI CERTIFIED www.nficertified.org

We recommend that our products be installed and serviced by professionals who are certified in the U.S. by the National Fireplace Institute® (NFI) or in Canada by Wood Energy Technical Training (WETT).

Wood Energy Technical Training

ONE REGENCY = ONE TREE
For each Regency sold
we plant a tree
AmericanForests.org

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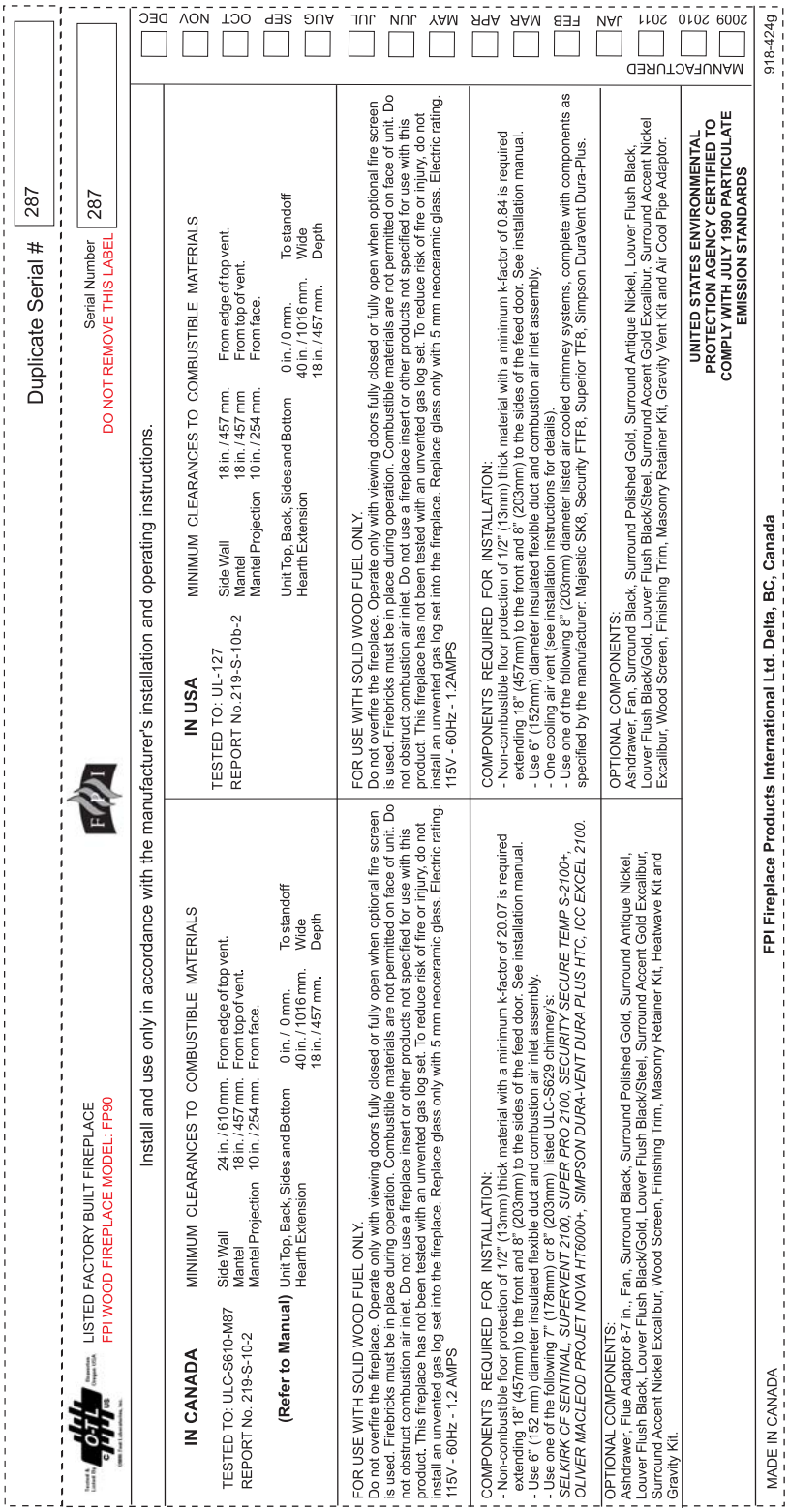
SAFETY LABEL

This is a copy of the label that accompanies each Regency Fireplace. It is located inside the lower louver opening on the left side. We have printed a copy of the contents here for your review.

NOTE: Regency units are constantly being improved. Check the label on the unit and if there is a difference, the label on the unit is the correct one.

SAFETY LABEL FOR FP90



Duplicate Serial # 287

LISTED FACTORY BUILT FIREPLACE
FPI WOOD FIREPLACE MODEL: FP90

Serial Number 287
DO NOT REMOVE THIS LABEL

DEC NOV OCT SEP AUG JUL JUN MAY APR MAR FEB JAN
MANUFACTURED
2009 2010 2011

Install and use only in accordance with the manufacturer's installation and operating instructions.

IN CANADA

TESTED TO: ULC-S610-M87
REPORT No. 219-S-10-2

(Refer to Manual)

MINIMUM CLEARANCES TO COMBUSTIBLE MATERIALS		
Side Wall	24 in. / 610 mm.	From edge of top vent.
Mantel	18 in. / 457 mm.	From top of vent.
Mantel Projection	10 in. / 254 mm.	From face.
Unit Top, Back, Sides and Bottom	0 in. / 0 mm.	To standoff
Hearth Extension	40 in. / 1016 mm.	Wide
	18 in. / 457 mm.	Depth

FOR USE WITH SOLID WOOD FUEL ONLY.
Do not overfire the fireplace. Operate only with viewing doors fully closed or fully open when optional fire screen is used. Firebricks must be in place during operation. Combustible materials are not permitted on face of unit. Do not obstruct combustion air inlet. Do not use a fireplace insert or other products not specified for use with this product. This fireplace has not been tested with an unvented gas log set. To reduce risk of fire or injury, do not install an unvented gas log set into the fireplace. Replace glass only with 5 mm neoceramic glass. Electric rating. 115V - 60Hz - 1.2 AMPS

COMPONENTS REQUIRED FOR INSTALLATION:
- Non-combustible floor protection of 1/2" (13mm) thick material with a minimum k-factor of 20.07 is required extending 18" (457mm) to the front and 8" (203mm) to the sides of the feed door. See installation manual.
- Use 6" (152 mm) diameter insulated flexible duct and combustion air inlet assembly.
- Use one of the following 7" (178mm) or 8" (203mm) listed ULC-S629 chimney's:
SELKIRK CF SENTINAL, SUPERVENT 2100, SUPER PRO 2100, SECURITY SECURE TEMP S-2100+, OLIVER MACLEOD PROJET NOVA HT6000+, SIMPSON DURA-VENT DURA PLUS HTC, ICC EXCEL 2100.

OPTIONAL COMPONENTS:
Ashdrawer, Flue Adaptor 8-7 in., Fan, Surround Black, Surround Polished Gold, Surround Antique Nickel, Louver Flush Black, Louver Flush Black/Gold, Louver Flush Black/Steel, Surround Accent Gold Excalibur, Surround Accent Nickel Excalibur, Wood Screen, Finishing Trim, Masonry Retainer Kit, Heatwave Kit and Gravity Kit.

IN USA

TESTED TO: UL-127
REPORT No. 219-S-10b-2

MINIMUM CLEARANCES TO COMBUSTIBLE MATERIALS		
Side Wall	18 in. / 457 mm.	From edge of top vent.
Mantel	18 in. / 457 mm	From top of vent.
Mantel Projection	10 in. / 254 mm.	From face.
Unit Top, Back, Sides and Bottom	0 in. / 0 mm.	To standoff
Hearth Extension	40 in. / 1016 mm.	Wide
	18 in. / 457 mm.	Depth

FOR USE WITH SOLID WOOD FUEL ONLY.
Do not overfire the fireplace. Operate only with viewing doors fully closed or fully open when optional fire screen is used. Firebricks must be in place during operation. Combustible materials are not permitted on face of unit. Do not obstruct combustion air inlet. Do not use a fireplace insert or other products not specified for use with this product. This fireplace has not been tested with an unvented gas log set. To reduce risk of fire or injury, do not install an unvented gas log set into the fireplace. Replace glass only with 5 mm neoceramic glass. Electric rating. 115V - 60Hz - 1.2AMPS

COMPONENTS REQUIRED FOR INSTALLATION:
- Non-combustible floor protection of 1/2" (13mm) thick material with a minimum k-factor of 0.84 is required extending 18" (457mm) to the front and 8" (203mm) to the sides of the feed door. See installation manual.
- Use 6" (152mm) diameter insulated flexible duct and combustion air inlet assembly.
- One cooling air vent (see installation instructions for details).
- Use one of the following 8" (203mm) diameter listed air cooled chimney systems, complete with components as specified by the manufacturer: Majestic SK8, Security FTF8, Superior TF8, Simpson DuraVent Dura-Plus.

OPTIONAL COMPONENTS:
Ashdrawer, Fan, Surround Black, Surround Polished Gold, Surround Antique Nickel, Louver Flush Black, Louver Flush Black/Gold, Louver Flush Black/Steel, Surround Accent Gold Excalibur, Surround Accent Nickel Excalibur, Wood Screen, Finishing Trim, Masonry Retainer Kit, Gravity Vent Kit and Air Cool Pipe Adaptor.

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY CERTIFIED TO COMPLY WITH JULY 1990 PARTICULATE EMISSION STANDARDS

MADE IN CANADA

FPI Fireplace Products International Ltd. Delta, BC, Canada

918-424g

PRODUCT DETAILS

EPA Certified

Emissions	:	3.72 g/hr
Efficiency (EPA)	:	63%
BTU/HR (EPA)	:	11,720 (Lo) to 42,400 (Hi)
Flue Size	:	8" (203mm) Diameter
Log Size	:	20" (508mm)
Shipping Weight	:	612 lbs (278kg)
Stripped Weight	:	570 lbs (259kg)

Options

Ashdrawer R90 / EX90
Fan R90 / EX90
Surround Black EX90
Surround Polished Gold EX90
Surround Antique Nickel EX90
Louver Flush Black R90
Louver Flush Black/Gold R90
Louver Flush Black/Steel R90
Surround Accent Gold Excalibur EX90
Surround Accent Brush Nickel Excalibur EX90
Wood Screen R90 / EX90
Finishing Trim R90
Masonry Retainer Kit R90
Gravity Vent Kit R90
Air Cool Pipe Adaptor R90 / EX90
1" Unit Base Standoffs

READ BEFORE YOU INSTALL THE REGENCY HIGH EFFICIENCY EPA CERTIFIED FIREPLACE

This installation manual will enable you to make a safe, efficient and dependable installation of your fireplace and chimney system. Please read and understand these instructions before beginning your installation.

Do not alter or modify the fireplace or its components under any circumstances. Any modification or alteration of the fireplace system, including but not limited to the fireplace, chimney components and accessories, may void the warranty, listing and approvals of this system and could result in an unsafe and potentially dangerous installation.

PLEASE RETAIN THIS MANUAL FOR FUTURE REFERENCE.

IMPORTANT: Please read and follow these rules for safety.

1) Before starting your fireplace installation, read these installation instructions carefully to be sure you understand them in their entirety. Failure to follow them could cause a fireplace malfunction resulting in serious injury and/or property damage.

2) Always check with your local building department, fire department and local authorities prior to installation to determine the need to obtain a permit.

3) This model fireplace must be installed with one of the chimney systems listed in the Chimney Section in this manual. These systems are intended for use as a residential type appliance. The chimney must always vent to the outside of the building.

4) WARNING: THIS FIREPLACE HAS NOT BEEN TESTED WITH AN UNVENTED GAS LOG SET. TO REDUCE RISK OF FIRE OR INJURY, DO NOT INSTALL AN UNVENTED GAS LOG SET INTO THE FIREPLACE.

5) To ensure a safe fireplace system and to prevent the build-up of soot and creosote, inspect and clean the fireplace and chimney prior to use and periodically during the heating season.

6) Use solid fuel only. DO NOT use artificial logs containing petroleum products, chemical chimney cleaners, gas logs, gas lighters, salt contaminated wood or flame colorants in your fireplace. When using compressed sawdust logs use only at 1/3 capacity since these get very hot and expand.

7) DO NOT use charcoal or coal under any circumstances.

8) NEVER use gasoline, gasoline-type lantern fuel, kerosene, charcoal lighter fluid, or any liquid to start or “freshen up” a fire in this fireplace. Keep any flammable liquid a safe distance from the fireplace.

9) Ashes should be placed in a metal container with a tight-fitting lid. The closed container of ashes should be placed on a non-combustible floor or on the ground, well away from all combustible materials, pending final disposal. If the ashes are disposed of by burial in soil or otherwise locally dispersed, they should be retained in the closed container until all cinders have thoroughly cooled.

10) WARNING: Only operate fireplace with doors fully open when optional fire screen is used.

11) NEVER leave children unattended when there is a fire burning in the fireplace.

12) Allow the fireplace to cool before servicing. Always shut-off any electricity to the fireplace while working on it. This will prevent any possible electrical shock.

13) Regency is not responsible for any smoking or related problems that may result from the lack of adequate combustion air. It is the responsibility of the installer to ensure that adequate combustion air has been provided for the fireplace.

14) FPI Fireplace Products International Ltd. does not warranty “smoke-free” operation nor are we responsible for inadequate system draft caused by mechanical systems, general construction conditions, inadequate chimney heights, adverse wind conditions and/or unusual environmental factors or conditions beyond our control.

Emissions from burning wood or gas could contain chemicals known to the State of California to cause cancer, birth defects or other reproductive harm.

15) IMPORTANT: Check with your local building department as to the requirements of sealing any penetrations to the exterior. This will ensure that the integrity of the building is intact.

16) DO NOT use a fireplace insert or any other product not specified by Regency for use with this fireplace.

17) NEVER, under any circumstances, install a fireplace, chimney component or any accessories, supplied by Regency, that have visible or suspected physical damage as a result of handling or transportation. These items should be inspected by a Regency dealer or qualified factory representative to ensure safe condition. When in doubt, consult your Regency dealer.

18) It is recommended that power is supplied to the terminal block of the unit to allow for the installation of blower components now or at a future date.

DIMENSIONS AND SPECIFICATIONS

The Regency is a wood burning fireplace featuring a self-contained heat-circulating system and cast-iron doors with large viewing windows. A set of andirons are installed in the firebox to properly position the fire, do not remove them.

Note: Illustrations shown reflect "typical" installations with nominal dimensions and are for design and framing reference only. Actual installations may vary due to individual design preferences. However, always maintain minimum clearances to combustible materials and do not violate any specific installation requirements.

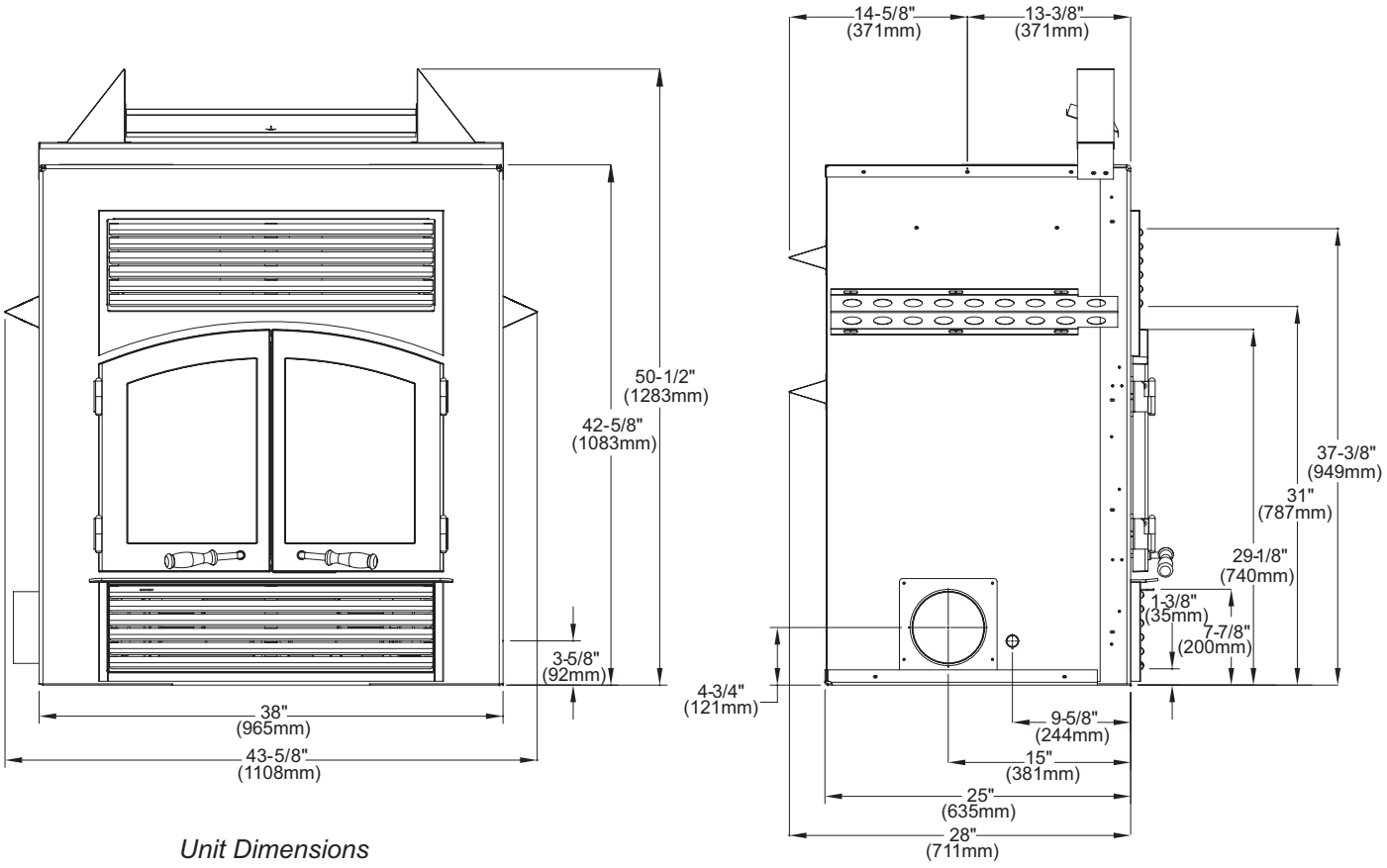
The Regency fireplace has been tested and listed by OMNI Test Laboratories, Inc. to UL-127 Standard for U.S. installations. **This unit is intended for installation in conventional homes and buildings of conventional construction, not in mobile homes.**

This fireplace system is designed for installation in accordance with the National Fire Protection Standard for chimneys, fireplaces and solid fuel burning appliances; NFPA 211 and in accordance with codes such as the BOCA Basic National Codes, the Standard Mechanical Code, Uniform Building Codes or applicable local codes.

FAILURE TO USE PARTS MANUFACTURED BY FPI FIREPLACE PRODUCTS INTERNATIONAL, LTD., OR VARIATIONS IN TECHNIQUES AND CONSTRUCTION MATERIAL DESCRIBED IN THIS MANUAL, MAY CREATE A FIRE HAZARD AND VOID REGENCY'S WARRANTY.

The FP90 main unit consists of the following:

1) The main fire box and heat exchanger
2) Double doors with ceramic glass
3) Vermiculite side panels and baffle
4) The insulated outside air duct
5) Hearth Safety Strip
6) 1" unit base stand-offs
7) Chase Ventilation Grill
8) Nailing Strips



Unit Dimensions

INSTALLATION

CLEARANCES AND HEIGHT REQUIREMENTS

The FP90 may be placed on or near construction materials. The combustion air kit, fire stop spacer and roof flashings (not chase flashings) may be placed directly on or against normal construction materials. The chimney requires a minimum 2" (51mm) clearance. A combustible mantle (to a depth of 10", 254mm) may be installed no closer than 18" (457mm) above the warm air vent or 55-1/2" (1410mm) from bottom of unit.

The chimney must be enclosed when installed in or passing through a living area where combustible material or people may come in contact with it. This is important to prevent possible personal injury or fire hazard.

For any further information, please call your dealer. Special restrictions apply to the front and facing of the fireplace and nearby walls.

No Combustibles on Face of Unit.

Combustibles May Not Extend to Unit Face.

Do not notch wallboard around standoffs.

WARNING: If insulation is used, do not place the unit against it. Insulation or vapor barriers, if used, must be secured to assure insulation and vapor barriers remain in place and do not affect the required air spaces.

WARNING: Do not pack or fill required air spaces with insulation or other material. No material of any kind is allowed in these areas.

NOTES:

1) Do not insulate the chase cavity with blown or fill type insulation materials.

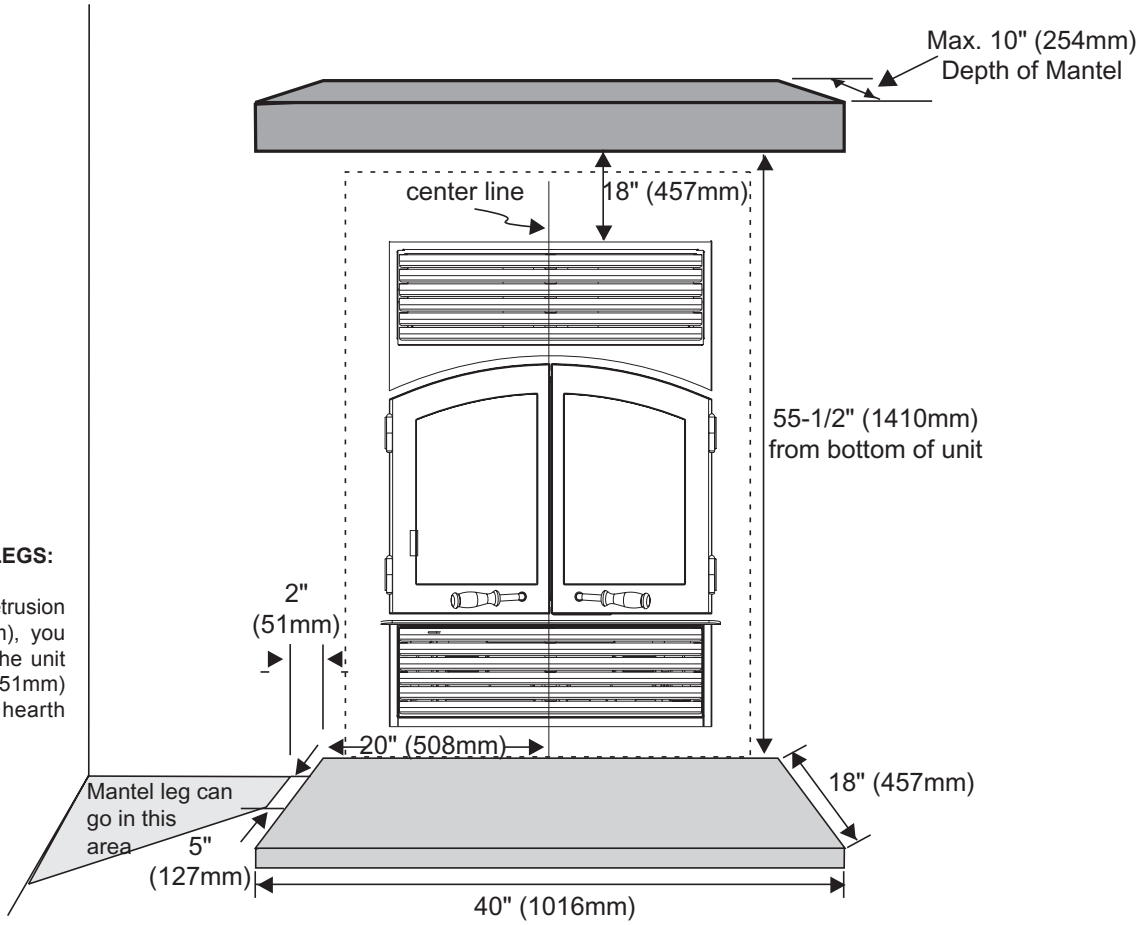
2) Local codes may not require firestopping at the ceiling level for outside chase installations; however, it is recommended for safety and the reduction of heat loss.

3) We recommend that you insulate at least the first floor of the chase to prevent heat loss.

4) Some local codes require 1 hour fire rating on one or all sides of fire chases. Check with your local authorities.

NOTE FOR MANTEL LEGS:

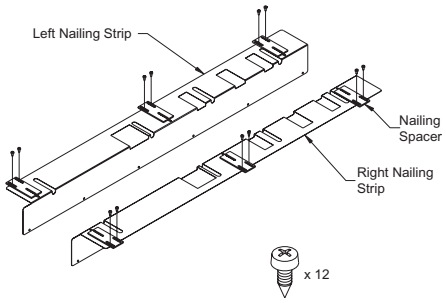
For every 1" (25mm) pretrusion greater than 5" (127mm), you must travel away from the unit 1" (25mm) starting at 2" (51mm) from the edge of the hearth extension.



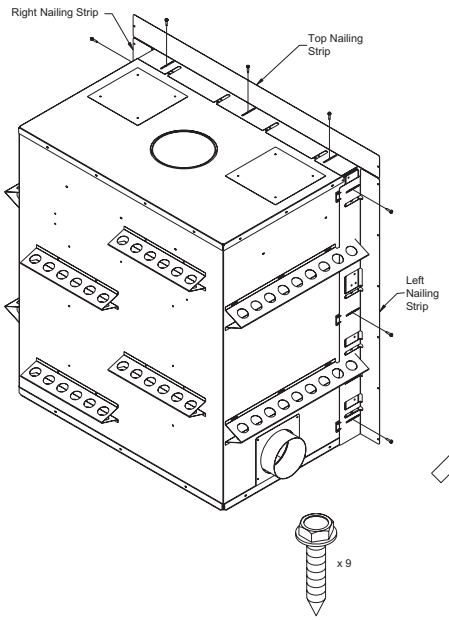
Clearances to Combustibles

INSTALLATION OF NAILING STRIPS

1) Assemble 3 Nailing Strip Spacer Plates to the left and the right Nailing Strips as shown below.



2) Mount Nailing Strips left, right and top to the positions indicated below.



NOTE:

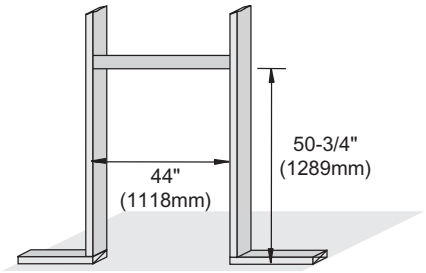
Nailing Strips are adjustable to allow for correct offset from the front of the fireplace for your current application.

There are two adjustments to allow for maximum offset (1" , 25mm recessed from front of fireplace or 1.25", 32mm extending past front of fireplace). The Nailing Strip Spacers can be adjusted by loosening the two screws securing them to the Nailing Strips. The Nailing Strips can also be moved forward and back by adjusting the screws that mount them to the fireplace.

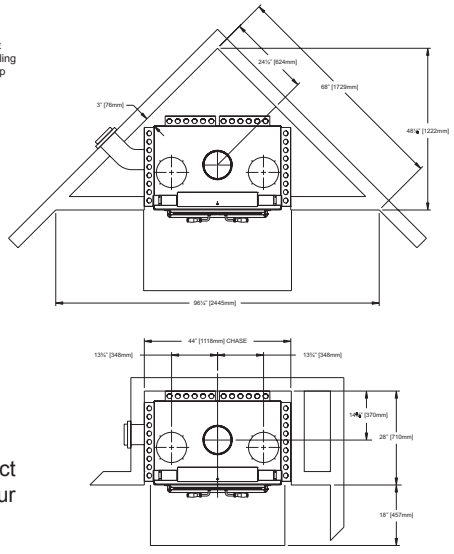
FIREPLACE ENCLOSURE FRAMING

As per the diagram, the framing of the main enclosure should not infringe on the area above the fireplace to the ceiling level. The rear and side walls as well as the face above the fireplace must not extend into the area above the unit. The only structure allowed above the unit is on the stand-offs at the front of the unit supporting the header.

The enclosure walls can be framed using any suitable material (2x4 - 2x6 studs, plywood, gyproc, etc.), **Normally, framing will be set back to allow Non-Combustible Material to be flush with the front of the fireplace.**



Framing Specifications



Building Structures Cannot Encroach on Chase

There is framing only on the front of the unit. When framing in the header (directly above the fireplace) **DO NOT** bring any combustible material lower than the top of the stand-offs. Framing header may be positioned on end directly on top of the front fireplace stand-offs. Be sure to seal the space between the fireplace and the enclosure above and on either side of the unit with Wonderboard, Durock or other similar non-combustible sheeting to prevent hot air from entering the enclosure.

CAUTION: ONLY NON-COMBUSTIBLE MATERIAL LIKE EXPANDED METAL OR CONCRETE BOARDS SUCH AS WONDERBOARD AND DUROCK, ETC. MAY BE USED IN THE SPACE BETWEEN THE UNIT AND THE FRAMING IN FRONT OF THE UNIT ONLY.

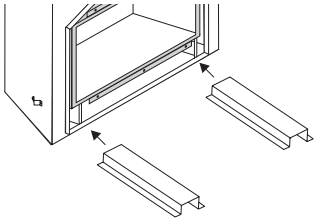
Note: If the fireplace is being cantilevered through an outside wall, the entire enclosure (floor, wall and false ceiling) up to the first ceiling level must be completely insulated and vapor sealed and sheathed, to avoid transfer of cold air through the fireplace when not in use.

UNIT BASE STAND-OFFS

To accommodate varying thicknesses and finishes of hearth materials, we have increased the overall height of the appliance by a further 1 1/8". This increase is added with the inclusion of two stand-offs at the bottom of the unit, below the outer box, taking the overall height of the framing dimensions from 50-3/4" up to 51-7/8".

In the event that you should choose to use thinner materials to finish the hearth, you can omit the stand-offs provided for raising the unit. However, we recommend that you leave the framing dimensions as they are in the manual and alter only the facing requirement by reducing it by the same distance that you have lowered the unit.

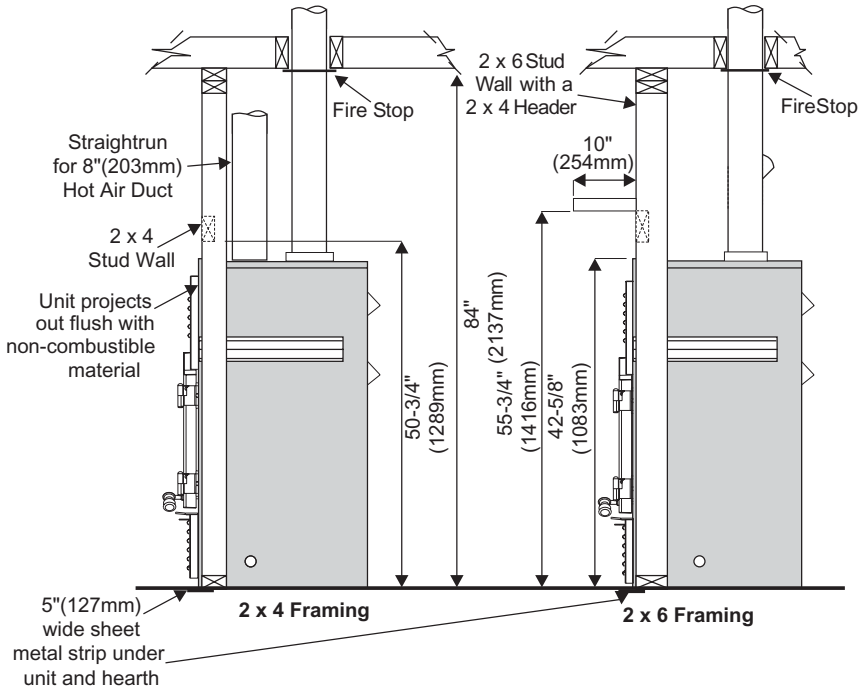
Insert the 2 unit base stand-offs underneath the unit as shown in the diagram below. Space the stand-offs centrally, approximately 2 or 2-1/2 feet apart. Ensure that the unit is not unstable.



INSTALLATION

FRAMING DETAILS

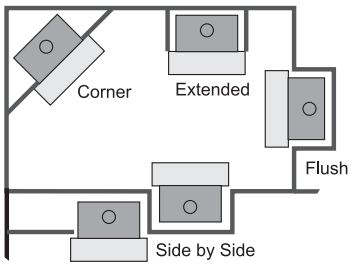
Note: Ducting is tested at 1 in. (25mm) clearance to framing.


Fire Stop
2 x 6 Stud Wall with a 2 x 4 Header
FireStop
Straightrun for 8"(203mm) Hot Air Duct
10" (254mm)
2 x 4 Stud Wall
Unit projects out flush with non-combustible material
84" (2137mm)
50-3/4" (1289mm)
55-3/4" (1416mm)
42-5/8" (1083mm)
5"(127mm) wide sheet metal strip under unit and hearth
2 x 4 Framing
2 x 6 Framing

LOCATION OF FIREPLACE

1) Carefully select the proper location for heat circulation, aesthetics, chimney obstructions and clearance to side wall(s). With proper pre-planning, a slight adjustment of a few inches can save considerable time and expense later during construction and assembly.

2) Carefully consider the position of the fireplace opening with respect to the location of adjacent or nearby stairwells, bath or kitchen exhaust fans and/or return air registers for forced air furnaces/air conditioners that could cause a smoking fireplace condition if the house is tightly insulated.



3) Fireplace must be anchored to the framing to prevent movement or rocking; use the nailing strips which have been supplied. The nailing strips are installed to the side of the unit and to the front side of the 2 x 4 or 2 x 6.

HEARTH EXTENSION

NOTE: Hearth must have 1/2" (13mm) Millboard under finish material with minimum "k" factor of 0.84. When unit is raised 4" (102mm), the thermal floor protection is not required. If you plan to raise the fireplace and hearth extension, build the platform assembly then position fireplace and hearth extension on top. If you are not raising the unit, check that you will have sufficient clearance under the bottom louver for your finishing material on top of the hearth extension, i.e. tiles, concrete board, etc.

1) Insert the metal safety strip, packaged with the fireplace beneath the fireplace as illustrated in Diagram 1 below. The safety strip should be tacked down to prevent possible shifting and should overlap for continual coverage of the floor.

Note: A safety strip is not required when the fireplace rests on a non-combustible surface.

Note: Install the hearth extension only as illustrated.

The safety strip should extend 2 in. (51 mm) in front and on the sides of the fireplace. In the event a wooden support is used to elevate the fireplace above the floor, a "Z" type safety strip should be fabricated from 20 gauge galvanized sheet steel and used to protect the front surface of the wood support as well as the floor beneath the hearth extension.

Note: The "Z" type safety strip is not supplied by Regency and must be fabricated locally.

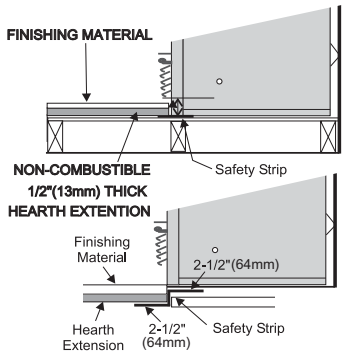


Diagram 1

How To Determine If Alternate Floor Protection Materials Are Acceptable

The specified floor protector should be 1/2" (13mm) thick material with a k-factor of 0.84.

The proposed alternative is 4" (102mm) brick with a C-factor of 1.25 over 1/8" (3mm) mineral board with a k-factor of 0.29.

Step (a): Use formula above to convert specification to R-value.
R = 1/k x T = 1/0.84 x .75 = 0.893.

Step (b): Calculate R of proposed system.
4" brick of C = 1.25, therefore
Rbrick = 1/C = 1/1.25 = 0.80
1/8" mineral board of k = 0.29,
therefore Rmin.bd. = 1/0.29 x 0.125 = 0.431
Total R = Rbrick + Rmineral board = 0.8 + 0.431 = 1.231.

Step (c): Compare proposed system R of 1.231 to specified R of 0.893. Since proposed system R is greater than required, the system is acceptable.

DEFINITIONS

Thermal Conductance:
C = Btu = W
(hr)(ft2)(oF) (m2))(k)

Thermal Conductivity:
k =(Btu)(inch) = W = Btu
(hr)(ft3)(oF) (m)(k) (hr)(ft)(oF)

Thermal Resistance:
R = (ft2)(hr)(oF) = (m2)(k)
Btu W

CHIMNEY SYSTEM CONSIDERATIONS

Regency's FP90 Fireplace is to be installed with one of the following Chimney Systems only. Chimney systems only 8" (203mm) diameter are to be used.

In U.S.A.

Any of the following air-cooled chimney systems may be used:

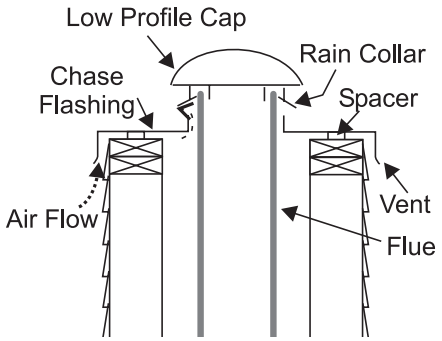
1) Majestic SK8
2) Security FTF8
3) Superior TF8
4) Simpson DuraVent Dura-Plus

Note: Fireplace Adaptor must be purchased with Fireplace when using air cooled. When using DuraPlus, purchase adapter with Chimney System from Chimney Supplier.

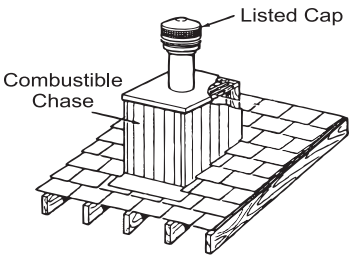
The use of only one of these systems is permitted when installing the fireplace. Do not alter or mix parts from other systems as this may cause a potential hazard and void Regency's limited warranty.

Chimney Height

The total height of your chimney system from the top of the fireplace to the chimney cap must not exceed 40'(12m), and must also meet minimum system height requirements. Please refer to the flue manufacturer's instructions for specific details. Refer to Minimum Recommended Flue Height section.



Ventilated Chase Pan



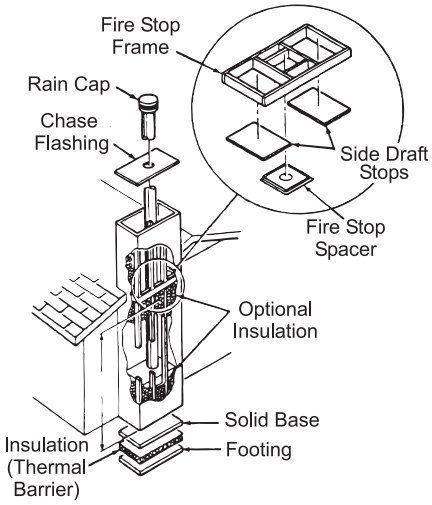
Chase Enclosure

This unit requires the chase to be ventilated with one 30 sq. inch vent. Refer to Installation Measurements section.

A chase is a vertical box-like structure constructed to surround the fireplace and chimney. A ventilated chase cap is highly recommended. Refer to flue manufacturer's instructions for reduced flue heights above chase terminations. As with all chimney installations, avoid overhead obstructions such as trees, power lines, etc.

A chase should be constructed just like any outside wall, insulated and vapor barriered. Please check with local building authorities. In a cold climate, we recommend the base of the chase be insulated between the solid continuous floor beneath the fireplace and the chase bottom. If used, the value and amount of chase insulation in a cold climate installation is optional and not required for safety. Insulation is recommended to avoid heat loss.

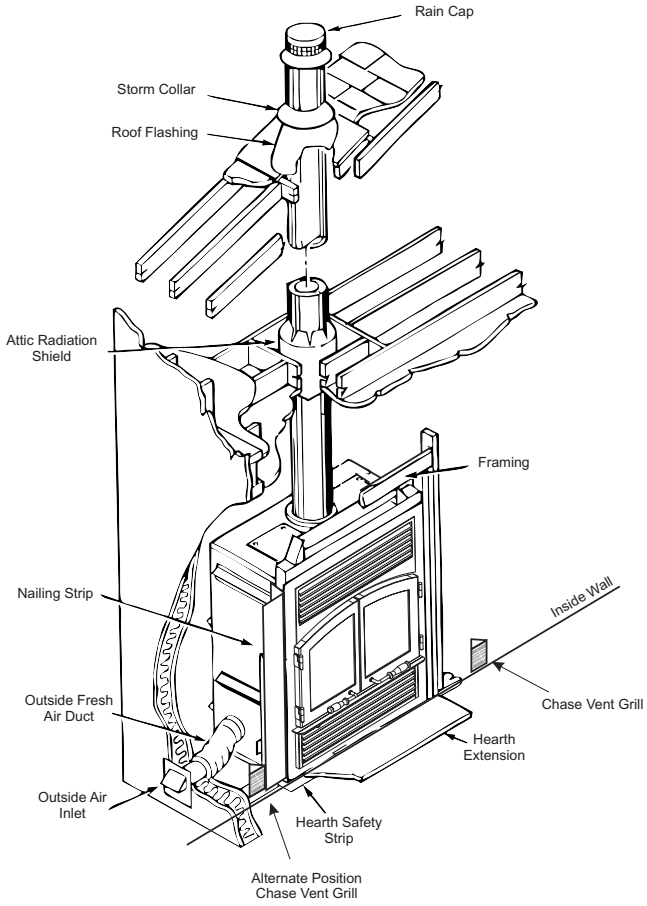
Note: Insulation does not come in contact with Chimney. Maintain a 2" (51mm) clearance.



BEFORE YOU START

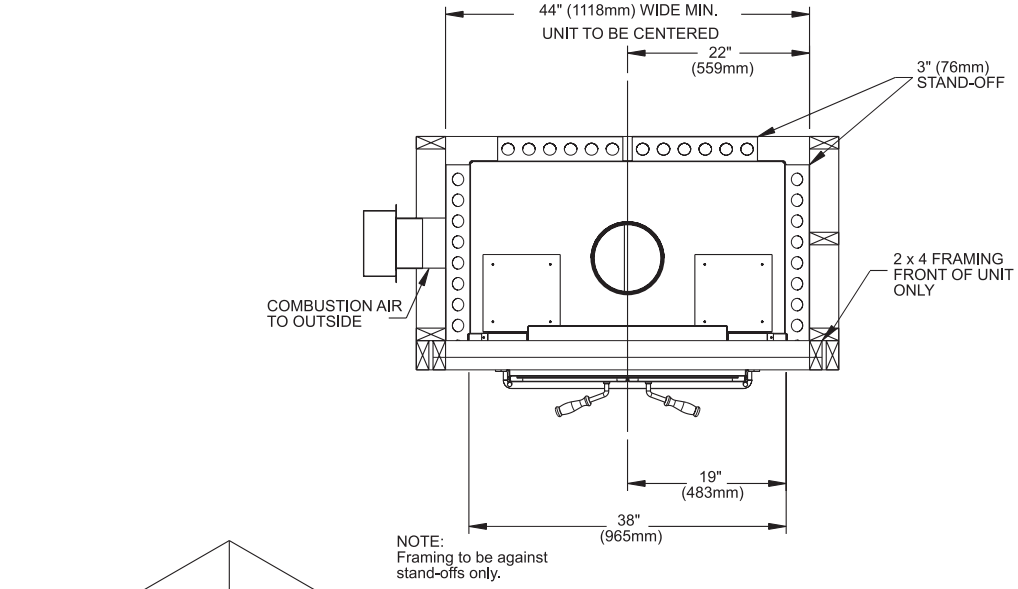
Check your inventory list to be sure you have all the necessary parts supplied in good usable condition. Check for any concealed damage. Check the operation of the combustion air damper. When the damper is in the fully closed position, the damper handle should be to the left. When damper is in the fully open position, the damper handle must be in the right position.

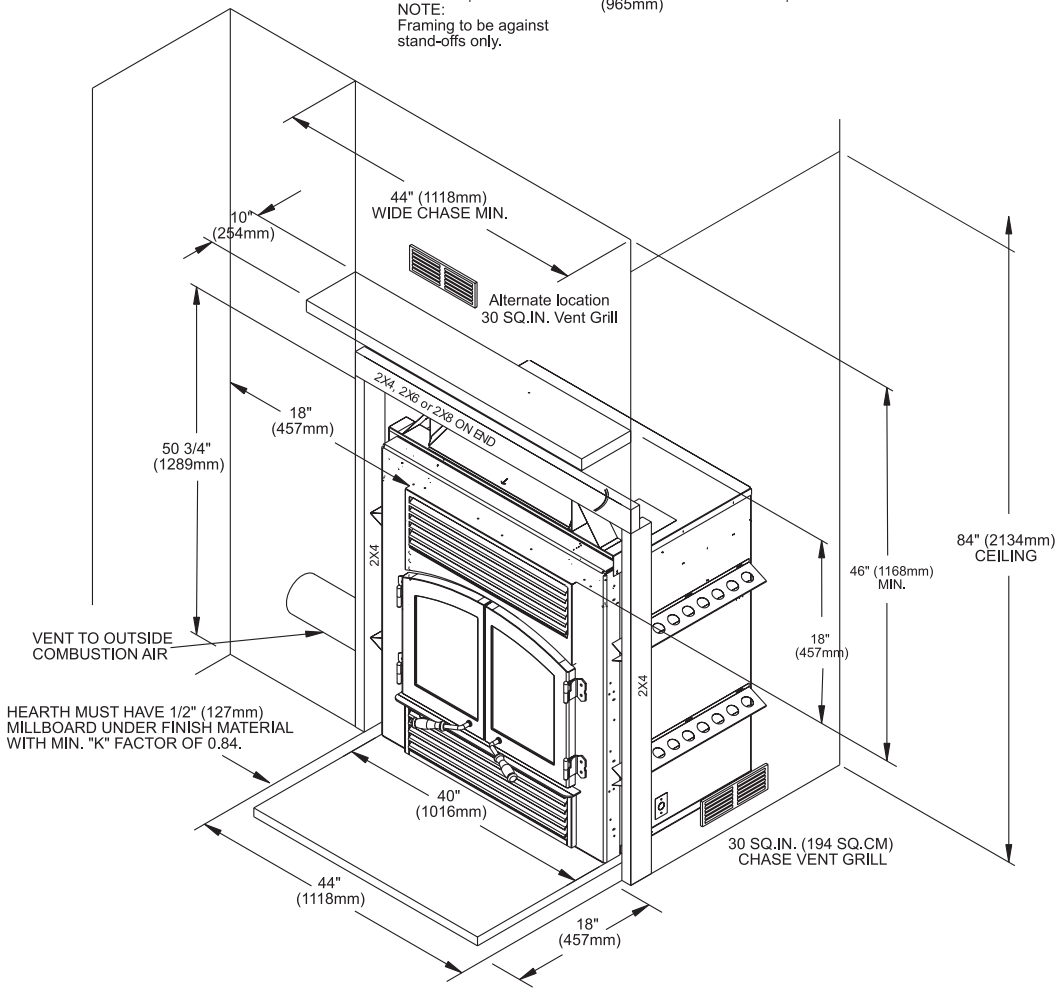
Installation Components



INSTALLATION

INSTALLATION MEASUREMENTS / FRAMING DETAILS





NOTES:
1) CHASE MUST BE 44" (1118mm) WIDE AND BE VENTILATED WITH ONE 30 SQ.IN (194 SQ.CM) MIN. OPENING GRILL. THE CHASE VENT GRILL MUST DRAW AIR FROM INSIDE THE HOME (NOT FROM OUTSIDE AIR). THIS CHASE GRILL CAN BE LOCATED ABOVE OR BESIDE THE UNIT AS SHOWN.
2) MANTEL MIN. HEIGHT OF 18" (457mm) FROM TOP OF LOUVER OPENING TO UNDERNEATH MANTEL or 55 1/2" (1410mm) FROM BOTTOM OF UNIT.
3) MUST HAVE NON-COMBUSTIBLE MATERIAL EXTENDING 3" (76mm) ON EITHER SIDE AND 10" (254mm) ON TOP. 3/8" (10mm) THICK FINISHING MATERIAL TO BE INSTALLED ON TOP OF THIS.
4) FRAMING IS SLIGHTLY LARGER THAN UNIT DIMENSIONS TO ALLOW FOR EASIER INSTALLATION (50 3/4", 1289mm H x 44", 1118mm W)
5) MUST MAINTAIN A MIN. OF 46" (1168mm) FROM TOP OF LOUVER OPENING TO FINISHED CEILING.
6) MUST MAINTAIN A MIN. OF 18" (457mm) TO SIDE WALL FROM THE EDGE OF THE TOP LOUVER OPENING.
7) HEARTH MUST BE A MIN. OF 40" (1016mm) WIDE x 18" (457mm) deep and 1/2" (127MM) THICK.

ASSEMBLY STEPS

Note: The following steps represent the normal sequence of installation. Each installation is unique, however, and might require different steps. Each step is dealt with in detail in the following pages.

1) Install stand-offs and insulation strip to the unit.

2) Complete framing and installation of the nailing strips for the FP90.

IMPORTANT: Remove gold accessories such as louvers while installing to avoid marking.

Position firebox prior to framing or into prepared framing. See Framing Details section.

3) Install the Chimney System.

4) Install Outside Combustion Air Kit and Chase Ventilation Grill.

IMPORTANT: A chase vent of 30 in^2 (194 cm^2) MUST be installed in all applications, otherwise serious overheating of the chase may result. Use the chase vent supplied with the FP90 unit only.

5) Hook-up the Wiring.

6) Install the Blower.

7) Gravity Air Feed Option.

8) Complete finish wall material, surround and hearth extension to your individual taste.

9) Position vermiculite liner / bricks and ceramic fiber insulation in the unit. Attach louvers, glass, doors, handles.

INSTALLING THE STAND-OFFS

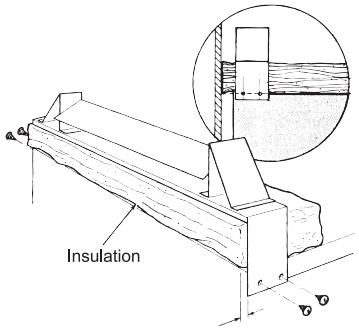
Stand-offs are installed to provide reduced temperatures and proper clearances for the safe installation of your product. They consist of four 3" (76mm) stand-offs on the back, two 3" (76mm) stand-offs on each side and one 8" (203mm) stand-off on the top of the unit.

Attach these stand-offs where indicated in the pre-drilled holes on the unit body.

There is also 1" unit base standoffs that are supplied with the unit. These are optional and are to be used to raise the unit. The thickness of the finished hearth will dictate the height of the stove. Please be careful to ensure that the bottom louver will open when unit is installed with the finished hearth.

IMPORTANT: It is absolutely necessary to attach stand-offs to the unit to avoid combustion problems. Serious overheating of combustible framing and possible fire may result if stand-offs are not properly installed.

IMPORTANT: Under no circumstances can the fireplace top or side spacers be removed or modified. Do not notch the header to be installed closer than the fireplace outside facing spacers.



IMPORTANT: Insulation extends forward to seal against the back of the fireplace masonry or non-combustible face.

SET FIREPLACE INTO POSITION

1) Estimate the total weight of the fireplace system and surround materials such as brick, stone, etc., to be installed. Shipping weight is 612 lbs (278kg).

2) Measure the square footage of the floor space to be occupied by the system, surrounds and hearth extensions.

3) Note the floor construction, i.e. 2 x 10's, (51 x 250 mm), single or double joists, type and thickness of floor boards and consult your local building code to determine if you need additional support.

4) Remove door, firebox bricks, louvers etc.

Note: Set aside Gold louvers away from harsh chemicals and away from abrasive materials to avoid damage, e.g. muriatic acid for masonry wash will strip the gold plate. Firebricks are fragile and should be handled with caution.

The fireplace may be installed directly on a combustible floor or raised on a platform of an appropriate height. Do not place fireplace on carpeting, vinyl or other soft floor coverings. It may, however, be placed on flat wood, plywood, particle board or other hard surfaces. Be sure the fireplace rests on a solid continuous floor or platform for support and to prevent cold air from entering the room from under the fireplace, if against an outside wall.

The fireplace may be positioned and then the framing built around it, or the framing may be constructed and the fireplace positioned into the opening.

The minimum ceiling height is 7ft (2m) from the base of the unit. A suitable non-combustible hearth pad is mandatory in all installations. See Framing Details section.

INSTALLING THE CHIMNEY SYSTEM

Following are a set of general guidelines for installation of the chimney system. The more detailed installation manual supplied with the specific chimney system must be followed.

1) Using standard construction framing techniques, construct the opening for the chimney route up through the ceiling(s) and roof or through an outside chase. Framing must maintain adequate minimum air space clearance at all times.

CAUTION: Allow a minimum 2" (51mm) chimney air space or as specified by the owner's manual for the chimney, to combustible framing members throughout vertical or offset chimney installation.

2) Attach fireplace adaptor/anchor plate to the top of the fireplace. It is important that a tight seal be made with this part and the unit's collar. This must be purchased with the fireplace.

3) Install firestop, radiation shield, or attic insulation shield as required at each floor penetration. See Table 1 (page 15). Check chimney manufacturer's framing opening sizes to allow for correct clearances. All parts must be listed.

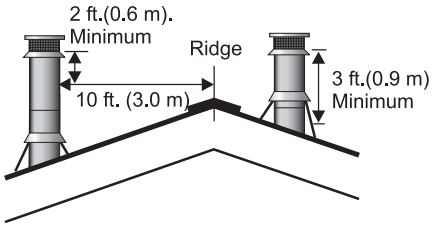
4) The roof flashing should be installed making sure that alignment is correct with openings below.

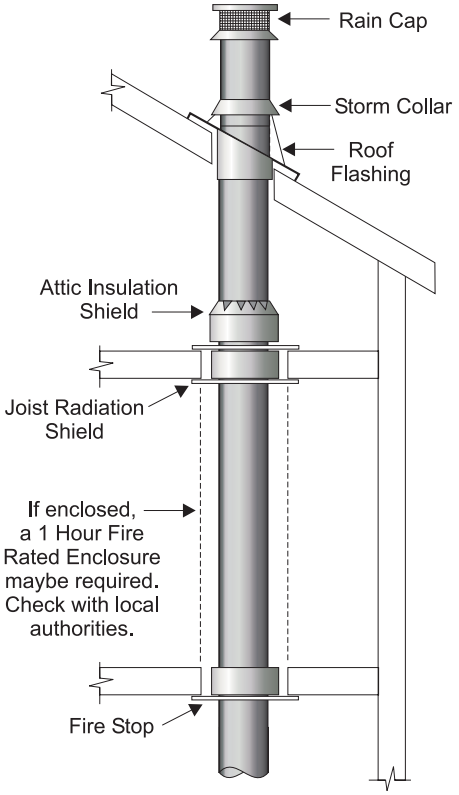
5) Chimney lengths may now be added until the required height is reached. A minimum flue height of 12ft. (4m) from the top of the unit is mandatory. Please refer to Table 2 for Flue Heights (page 15).

INSTALLATION

The performance of your unit is governed to a very large extent by the chimney system. Too short a chimney can produce poor drafting which in turn can cause difficult start-up, dirty glass, smoking out door and even reduced heat output. Too tall a chimney may prompt excessive draft which can result in very short burn times and excessive heat output. The chimney must extend at least 3ft. (0.9m) above its point of penetration of the roof. It must also be at least 2ft. (0.6m) higher than any point of a roof, wall, or building within 10ft. (3m) of it.

6) The raincap and storm collar should now be fastened to the top of the chimney. Install additional support(s) as indicated by chimney manufacturer's instructions.





SPECIAL NOTES:

1) Negative Pressure In The House. When there is no fire in your unit there still should be sufficient draft to draw smoke from a burning piece of paper held under the baffle. If your installation is correct, smoke will go up the flue. If however, there is a problem with your installation, cold air may be coming down the flue into the room.

This may be the case if your unit smokes on start-up with the door open, until the unit heats up. To overcome this problem, try closing an upstairs window and open a nearby window to pressurize the house.

Note: the door can be open briefly to start your fire but **must be closed** during regular operation because the unit uses outside air for combustion, not room air.

2) Multiple Terminations. When you install more than one chimney in the same chase or within the same general area, we suggest that their terminations be separated by at least 16" (410mm) horizontally and 18" (460mm) vertically. This separation is to prevent smoke migrating from one chimney to another.

3) Chimney Maintenance. It is important that you inspect your chimney regularly and keep it clean. If you note more than 1/8" (3mm) creosote build up in your chimney have it cleaned as per instructions of the chimney manufacturer.

4) Chimney Fires. If you do have a chimney fire, refer to the following:

- **a.** Close the fireplace doors and air damper.
- **b.** Clear family members out of the area
- **c.** Call the fire department.
- **d.** Use a dry chemical fire extinguisher, baking soda or sand to control the fire. **Do not use water, it will create a steam explosion.**
- **e.** Check for hot embers around the unit and outside your home; extinguish.
- **f.** Do not use your fireplace again until it has been inspected by a qualified person.

Offset Chimney Installation

Chimney elbows may be used in the installation of the system. A maximum of four 30 degree elbows are allowed. Offset angles of 30 and 15 degrees are allowed with a maximum of 2 offsets.

1) Install the fireplace and chimney as described above. When you require an elbow, proceed as follows:

2) Install the elbow. Turn the elbow to the required direction and fasten it with screws or locking bands depending on flue design as specified by the manufacturer.

3) Turn the chimney lengths clockwise to lock them together, then secure them with screws at each joint or locking bands; see the manufacturers requirements.

4) Use another elbow to return the chimney to vertical.

5) Install an offset support in the joist at the ceiling. Re-support above each offset; elbows are not designed to carry the weight of the flue system.

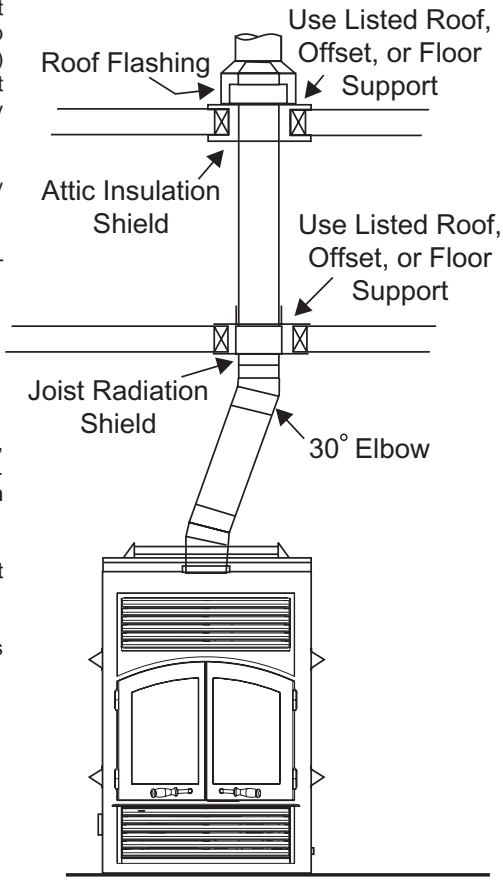


TABLE 1		
Required Firestop, Radiation Shield, Or Attic Insulation Shield		
MODEL	***1st FLOOR***	***2nd FLOOR INTO ATTIC***
Superior TF8	Joist Shield Firestop	Attic Shield Firestop
Majestic SK8	Joist Shield Firestop	Attic Shield Firestop
Security FTF8	Joist Shield Firestop	Attic Shield Firestop
Simpson DuraVent Dura-Plus	Intermediate Joist/ Radiation Shield	Attic Radiation Shield

TABLE 2					
Minimum Recommended Flue Height In Feet **(Measured from the top of the solid fuel appliance)**					
ELEVATION (FT) ABOVE SEA LEVEL		**# OF ELBOWS**			
	0	2 x 15°	4 x 15°	2 x 30°	4 x 30°
0-1000	12.00	13.00	14.00	15.0	18.00
1000-2000	12.48	13.52	14.56	15.6	18.72
2000-3000	12.96	14.04	15.12	16.2	19.44
3000-4000	13.44	14.56	15.68	16.8	20.16
4000-5000	13.92	15.08	16.24	17.4	20.88
5000-6000	14.40	15.60	16.80	18.0	21.60
6000-7000	14.88	16.12	17.36	18.6	22.32
7000-8000	15.36	16.64	17.92	19.2	23.04
8000-9000	15.84	17.16	18.48	19.8	23.76
9000-10000	16.32	17.68	19.04	20.4	24.48

INSTALLING THE OUTSIDE AIR KIT

Combustion air is fed to the firebox through a connection on the rear lower left side of the unit. A free flowing supply of air must be available to this opening at all times. Combustion air may be taken from inside the building if the local building code allows, but performance may suffer. Also, it must go through the 6" (152mm) duct to the connection on the left hand side.

Air drawn from the interior of the building will affect the performance of gas or oil furnaces, and exhaust fans and fan driven appliances. This may cause a negative pressure in the house allowing smoke to back into the home.

The preferred source of combustion air is from outside the building. If possible, install the kit on the wind loading side of the building not the leeward or (negative pressure) side.

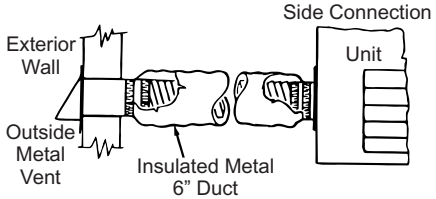
Note: Do not obtain combustion air from attic, garage or other enclosed space.

1) Put the supplied insulated air duct to a nearby exterior wall. Maximum length of duct is 20ft (6.1m). Duct length should be kept to a minimum and as straight as possible. **Note**: 4 ft. only is supplied with unit. Termination should be in an area with good air flow.

2) Ensure that your air source is not close to automobile exhaust, gas meters or other vents.

3) Cut a 7" (178mm) hole through the wall and mount the outside air kit.

4) Attach the two ends of the duct (making sure not to damage the insulating cover) after installing the flange on the fireplace side. Duct must be secured by screws or clamp.



Outside Air Inlet must be 6 ft. (152mm) below the chimney termination point

INSTALLATION

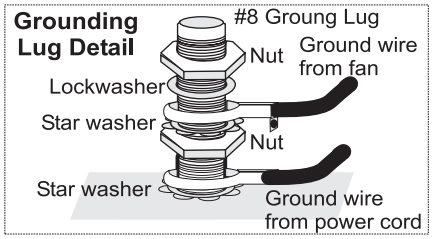
WIRING THE FP90

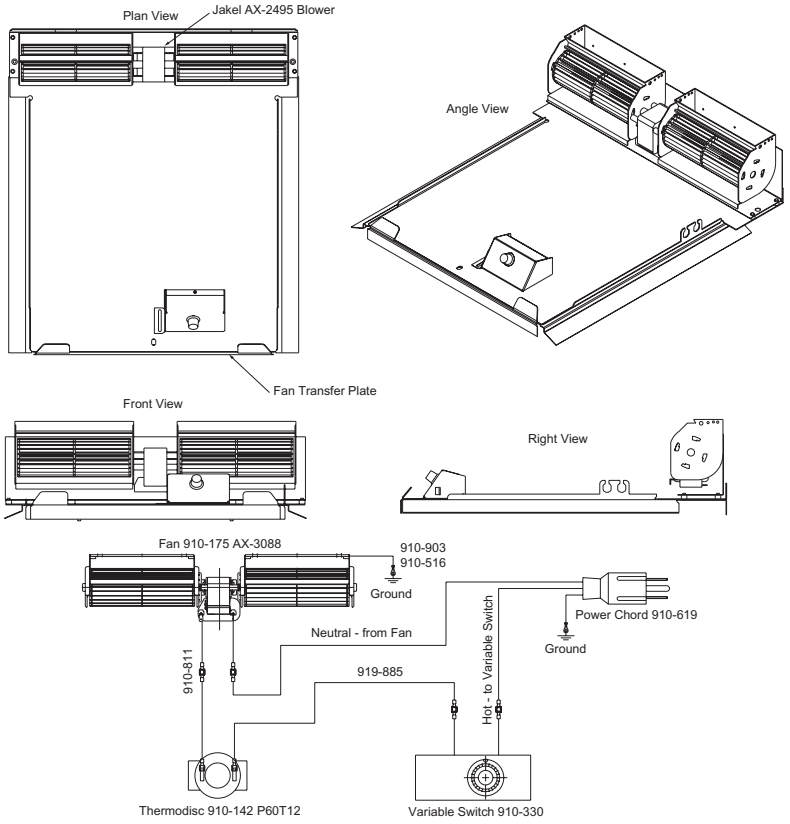
Field wire main power supply to fireplace blower system. (All electrical connections should only be performed by a licensed/certified electrician).

CAUTION: Label all wires prior to disconnection when servicing controls. Wiring errors can cause improper and dangerous operation.

INSTALLING THE BLOWER SYSTEMS

The FP90 Fireplace has been designed to meet a wide range of heating requirements. The radiant heat (through the large glass area) combined with the naturally convected heat, allows the FP90 Fireplace to adequately heat an average sized room. A blower is recommended to assist in heating a larger area or one with wall separations.





Internal Blower with Thermo-Disc

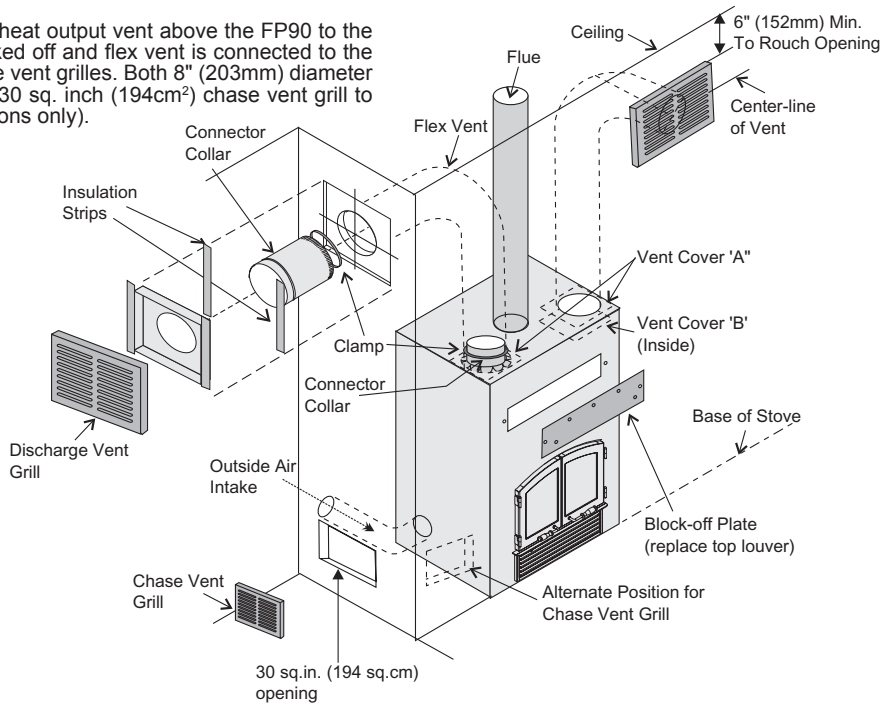
The thermodisc provides the user with more convenient control. The fan operates automatically - turn the knob to adjust to desired speed. The fan will turn on as the stove comes up to operating temperature. After the fire cools to below a useful heat output range the fan will shut off automatically.

Place sticker on outside of bottom louver.

GRAVITY AIR FEED KIT OPTION

The Gravity Air Feed Kit is designed to extend the heat output vent above the FP90 to the front or the side. The upper louver opening is blocked off and flex vent is connected to the vent holes in the top of the unit and run to discharge vent grilles. Both 8" (203mm) diameter insulated Flex vents must be used along with one 30 sq. inch (194cm^2) chase vent grill to bring additional air into the chase (for U.S. installations only).

Qty	Description
4	Connector Collars
4	Adjustable Clamps
2	5' lengths of flexible vent pipe (8" dia.)
2	Insulated Sleeves
1	Block Off Plate
2	Discharge Vent Mounting Frames
7	1/4-20 x 1/2" Truss Head Screws (used for EX90/R90 only)
2	16 x 8 Discharge Vent Grilles
4	#8 Drywall Anchors
4	Insulation Strips
1	Chase Vent Frame (not required for FP90)
1	8 x 8 Chase Vent Grille (not required for FP90)



1) Remove the screw from the vent hole cover (vent cover 'A') on top of the unit.

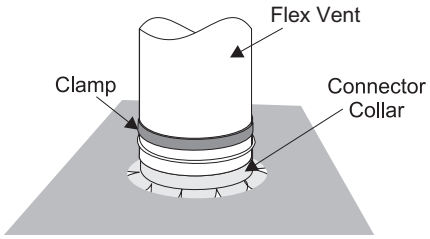
2) Take the connector collar and press and rotate it into the hole to cut through the insulation layer. Remove the collar and remove insulation from the collar. The screws for the inner cover should be exposed.

3) Remove the screws from the inner cover (vent cover 'B') and slide it back under the insulation.

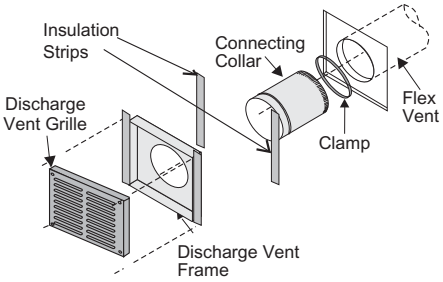
4) Extend flex vent and pull the insulation sleeves over the 8" (203mm) diameter flex vents. Leave a short section of flex vent exposed at each end. On one end insert the collar into the flex vent and use a clamp to hold the flex vent in place.

5) Use tin snips to cut slits into the rim of the connector collar. A minimum of four tabs will be required so cut the slits 1" (25mm) (i.e. 1" (25mm) wide tabs) apart around the perimeter of the collar.

6) Install the connecting collar into the top of the unit until the bead of the collar rests against the top of the inner top of the unit. Reach inside the upper louver opening and use pliers to bend the tabs (minimum 4) out on the connector collar. A hammer may be required to lightly tap the tabs and bend them so that they fit tightly against the bottom of the inner top. Pull the insulation sleeve down to the top of the unit. Repeat steps 1-6 for the second flex vent and collar assembly.



7) Position the vent frames for the Discharge Grilles into the rough opening of the stud wall framing. Make sure to add two insulation strips behind the flanges of the frame prior to securing to wall. The frames will fit between studs framed at 16" (406mm) on center. Use 4 nails or screws to mount the frame to the stud framing.



8) Insert the connecting collar into the other end of the 5 ft. (1.5m) flex vent and use an adjustable clamp to hold the vent in place. Cut tabs into the rim of the connector collar (a minimum of 4 tabs will be required). Push the collar through the 8" (203mm) hole in the mounting frame. Use pliers to bend out tabs (minimum 4) to secure the collar to the mounting frame.

9) Pull the insulation sleeve up the flex vent to the back of the mounting frame. The flex vent should now be connected to both the unit and the mounting frames securely. Repeat steps 1-8 for the second flex vent assembly.

10) Install the block-off plate to the unit. The block-off plate will cover the upper louver opening of the unit and force the fan air to circulate through the two 8" (203mm) diameter flex vents. Put high temperature sealant onto the block-off plate. Mount the block-off plate onto the front of the unit and cover the upper louver opening. Make sure that all exposed holes in the block-off plate are sealed with high temperature sealant.

NOTE:
Make sure the block-off plate is flush and fastened tightly to the Regency FP90 Fireplace.

11) The rough opening size for the Chase Vent Grille is 3" H x 10" W (76mm H x 254mm W).

WARNING:
A chase vent of 30 sq. inches (194 cm^2) MUST be installed in all applications, otherwise serious overheating of the chase may result. Use the chase vent supplied with the FP90 unit only or any equivalent one with the same or less restriction of air flow.

12) Recheck all flex vent-work connections to make sure that they are secure. Install wall sheathing and cut-out openings for the chase ventilation, and hot air discharge outlets.

13) Install the Chase Vent Grille and install the Discharge Vent Grilles for the hot air outlets.

NOTE:
There must be a minimum of 5" (127mm) between the gravity air vents.

FINISHING THE REGENCY FP90

Completing The Facing

Facing materials must be thin veneer (non-self supporting facades) or self supporting facades. If you are installing a thin veneer facade the Regency Masonry Retainer Kit is recommended. All facades must be **Non-Combustible** such as brick, rock or ceramic tile. See Clearance to Combustible diagram at the beginning of this manual to determine the extent to which you must use non-combustible materials. Gypsum wallboard is not non-combustible.

Non-self Supporting, Thin Veneer Facades Installation

1) Install heavy expanded metal only on the top half of the fireplace using a drill to pre-drill holes and install using tap screws at locations as indicated on kit.

2) Install metal edging of kit on each side of the doors making sure the edges fit nicely with the arch edge above.

3) Cover the rest of the area with wire mesh or metal lath, overlapping around the heavy expanded metal. Make sure nails or staples used for fastening mesh penetrate studs at least 1" (25mm).

4) Mortar must be "thin set" or "thin bed" type inherently polymer modified. If not modified, you should add a synthetic latex additive. Mix to a firm, moist consistency. Using a plasterer's or mason's trowel apply mortar 1/2" (13mm) to 3/4" (19mm) thick to prepared surface area. Do not spread more than a workable area so that the mortar will not set up before stone or brick is applied.

Note: Remove the fireplace doors and louvers and store them in a safe place until all the masonry work is finished. Acid from the cleaning operation will permanently damage gold plating.

5) If additional mortar is required, use a grout bag to fill in joints. Care must be taken to avoid smearing on the surface of stone or brick. Accidental smears should be removed only after mortar has become crumbly, using a whisk broom or dry bristle brush. Do not use a wet brush or a wire brush.

6) When mortar joints have become firm (thumb-print dry) they should be pointed up with a wood stick or metal jointing tool.

INSTALLATION

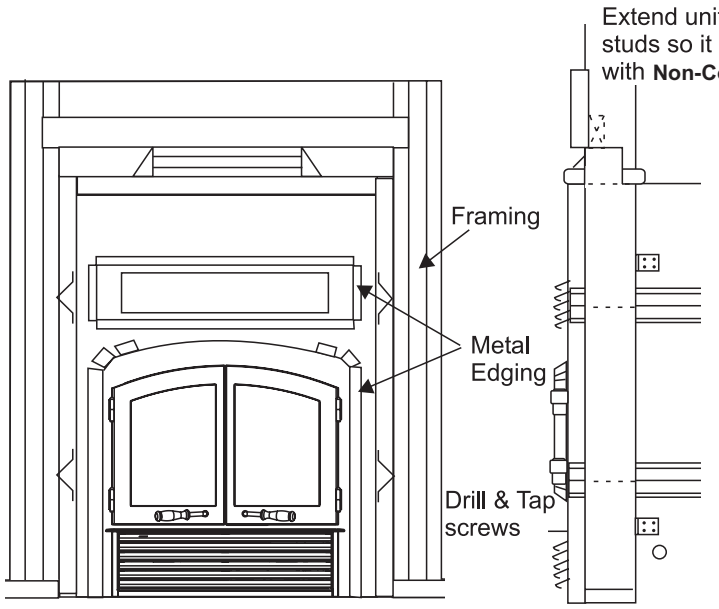


Diagram 1

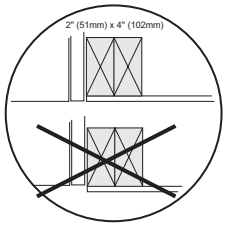
Do not restrict air flow through the top and bottom louvers of the fireplace. This will cause overheating and possible ignition of surrounding materials. Top louver maybe closed only if gravity feed kit option is used.

Masonry Retainer Kit Option

For a non-selfsupporting veneer finish only.

1) Framing and plywood cannot extend past the side and top stand-off spacers. Allow for the thickness of the Non-Combustible Material when framing so that the front of the Fireplace and the Non-Combustible Material are flush.

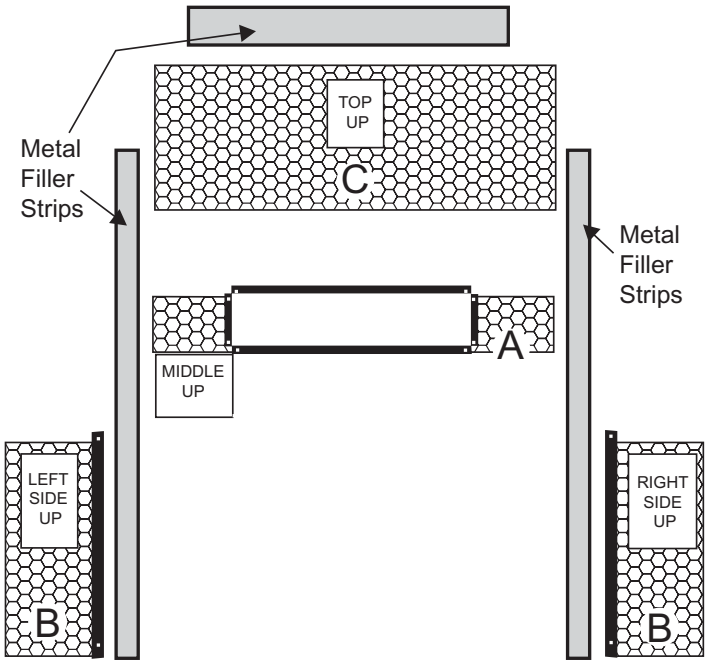
2) Unscrew the top stand-off and move the ceramic blanket forward so it will be tight against the mesh to make a seal.

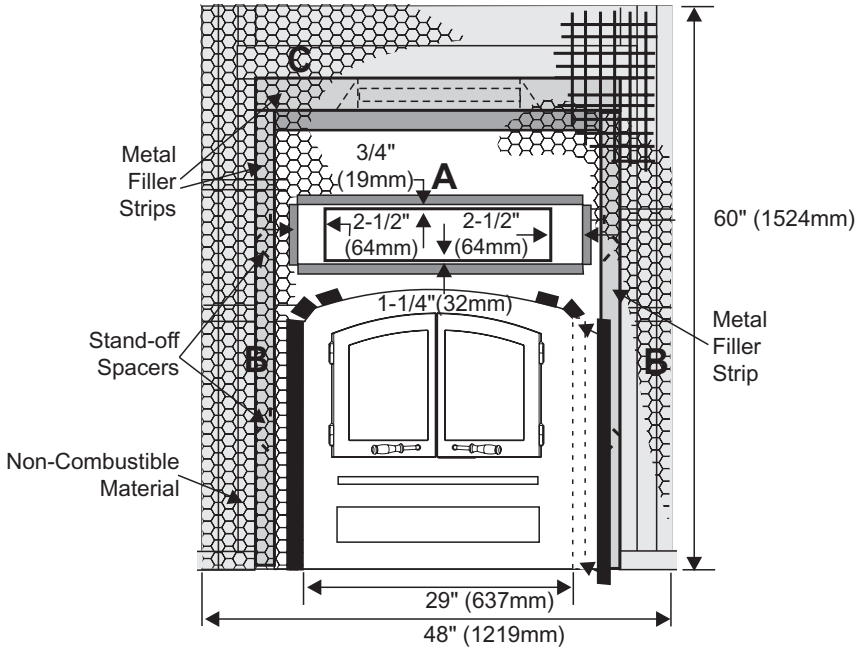


3) Mesh must be positioned one way only to allow the mortar to hold and not slide off. Place "Middle" mesh (A) on the front and position top grill edge frame. Check dimensions from opening and mark and drill screw holes. Depending on the installation, heavier reinforcing wire screen may be required to bridge the stand-off spacer area around the perimeter of the unit. Hold in position with 2 screws while the door arch is centered.

4) Place side metal filler strips in between stove and framing to cover the stand-off space. Fit the strips behind "A" so that they cover the stand-offs, and will prevent mortar from falling through the mesh.

5) Center door arch edge, mark and drill holes. Note the top of the side pieces meet up with the edges of the center arch. Attach arch edge and bottom of grill edge to unit. The door arch floats at each end so that it can be adjusted to match the curve of the door.





6) Depending on the height of the hearth in front of the unit, it may be necessary to trim the bottom of the mesh sides (B) to fit. Mark and drill holes for side pieces. Attach with washers and screws.

7) Place the top metal filler strip in between stove and framing to cover the stand-off space. Fit the strips behind Top mesh "C" so that it covers the stand-off, and will prevent mortar from falling through the mesh.

8) Put the doors on the unit and check that the veneer on both sides do not interfere with the door swing.

9) Use washers and screw top mesh (C) to top of grill frame. This is attached with the top edge of the grill frame on piece (B).

10) Now fasten mesh to wall sheathing and blend in.

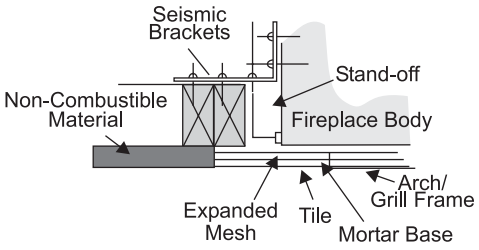
11) Use only **non-combustible** masonry products to finish fireplace front.

Finishing Details

Consideration must be given to fireplace placement when deciding on how to complete the facing.

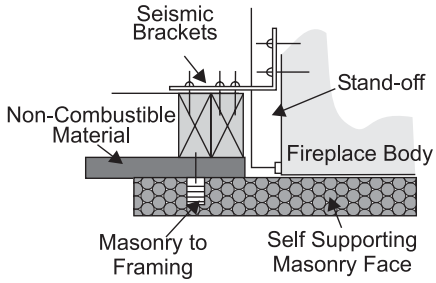
IMPORTANT: A tight joint between masonry and fireplace is necessary to prevent heat from rolling up the front to the Face Header.

Example 1:
Face of Fireplace Flush with Wall Framing.



Top View

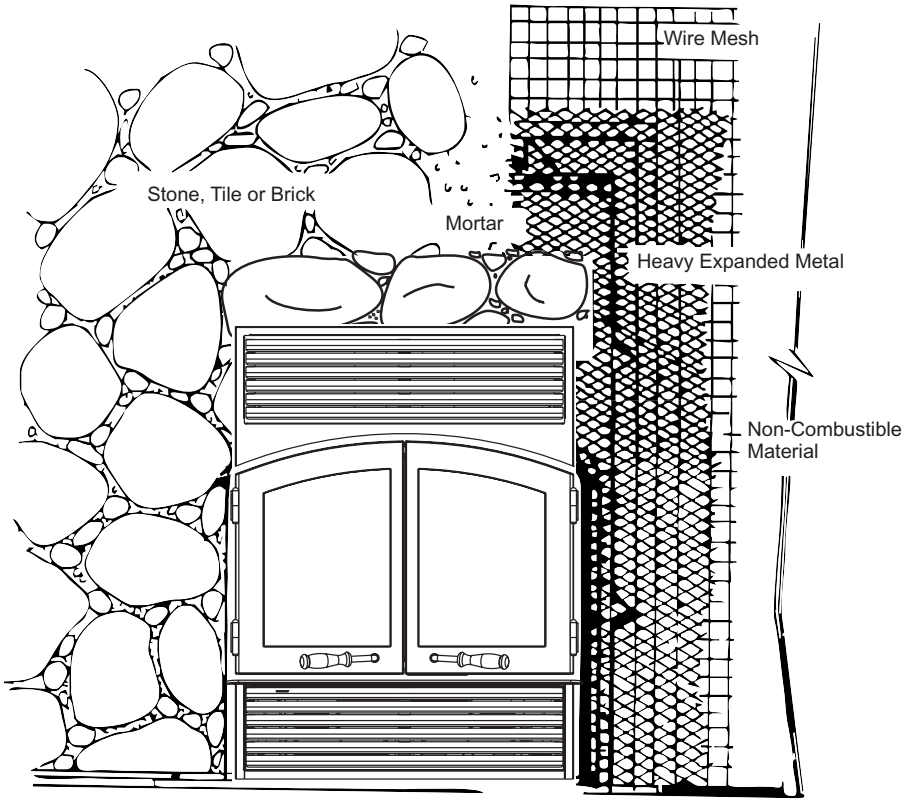
Example 2:
Face of Fireplace Flush with Non-Combustible.



Top View

Completing The Mantle

A stone mantle may be placed directly above the warm air outlet. If a wood or other combustible mantle is desired, it must be at least 18 inches above the grill opening and may project up to 10" (254mm) in front.

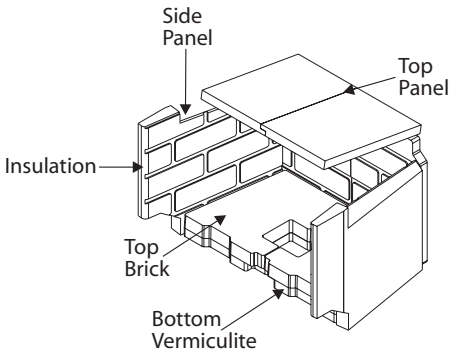


INSTALLATION

MASONRY LINER / BRICKS

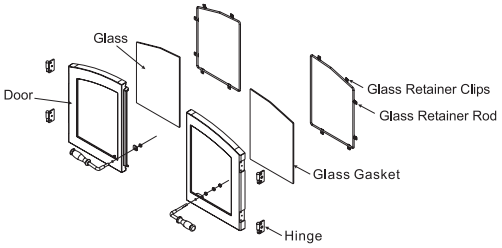
Insulated refractory panels are included to extend the life of the fireplace and help radiate heat more evenly. Make sure Insulating Paper is in place along the bottom, side and rear before bricks are put into place.

Using the diagram to find the correct location of the panels install in the following sequence: rear, sides, bottom, top. Care should be taken not to damage the panels during installation. **THE ANDIRONS SHOULD NOT BE REMOVED.**



GLASS INSTALLATION

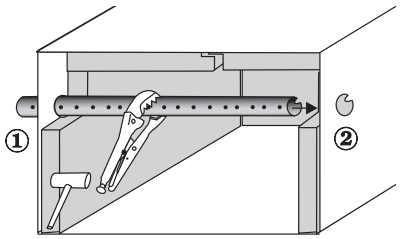
Remove the wire retainer from the doors, and place the glass in the doors, making sure that the glass gasketing will properly seal your unit. The retainer should be resting on the gasketing not on the glass. Tighten securely, but do not wrench down on the glass as this may cause breakage. Do not substitute materials. If your glass door breaks, do not use your unit until it has been replaced. See Glass Replacement section.



SECONDARY AIR TUBE INSTALLATION

1) Slide air tube into the hole on the left hand side of the firebox as far as it will go. The notch in the air tube should be facing the right hand side of the firebox.

2) Slide the air tube back towards the right side until it locks into place. To lock into position, use a pair of vise grips and tap them with a mallet until the tube locks into place. The air holes should be pointing down toward the primary air opening just inside the bottom of the door opening. The air tube will be difficult to snap into place because it has to be a snug fit in order to prevent it from falling out when a fire is burning.



ASH DRAWER KIT OPTION

During constant use, ashes should be removed every few days. The Ash Drawer Kit option provides a convenient and easy way to keep your wood stove clean. This ash drawer kit can only be used with the fireplace unit.

Safety Precautions

1) Do not allow ashes to build up to the loading doors! Only remove ashes when the fire has died down. Even then, expect to find a few hot embers.

2) Please take care to prevent the build-up of ash around the start-up air housing located inside the stove box, under the loading door lip.

3) If the ashes are disposed of by burial in soil or otherwise locally dispersed, they should be retained in the closed container until all cinders have thoroughly cooled. Other waste should not be placed in the ash container.

4) Never start a fire if the ash plug and ash drawer are not in place. This will cause over firing which can cause excessive warping of the stove. Over firing will void the warranty on your stove, and damage your fireplace.

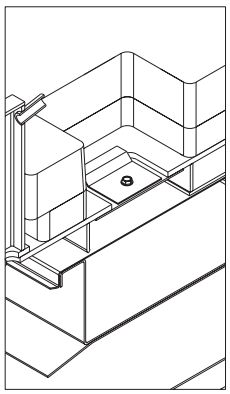
5) The firebricks are brittle and can be damaged if the plug is replaced carelessly or pieces that are too large are forced through the hole.

Ash Drawer Kit Installation

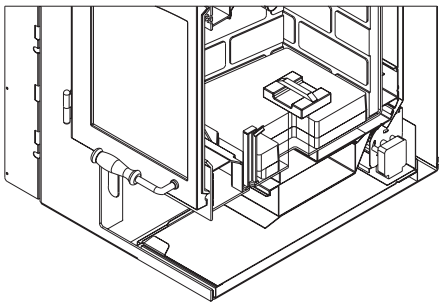
1) Remove the bricks from the floor of the firebox.

2) Open the louver in front of the fireplace.

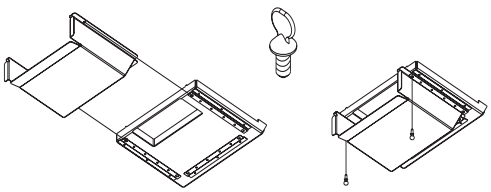
3) Remove the ash dump cover plates (one inside the firebox and one on the underside of the firebox) by removing the two nuts and bolts holding the 2 plates together from underneath the stove.



4) Push the ash plug into the hole inside the firebox and replace all the bricks.



5) Slide the ash drawer shelf into clips on the bottom of the firebox and add thumbscrews to secure in place.



6) Slide the ash drawer into the ash drawer shelf.

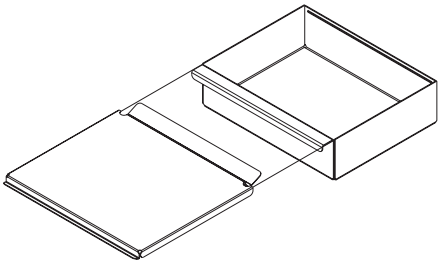
7) Place the lid and the ash plug tool on the fan trasfer plate for storage.

Ash Drawer Operating Guideline

1) Only clean ashes out of the fireplace when the unit has cooled down. Remove the plug by lifting on the handle using the tool provided. The plug may still be warm, use caution. Push the ashes down the hole into the ash drawer, the large pieces can be left in the firebox and burned during the next fire or removed through the door opening.

2) Always leave 1/2 to 1 inch of ash in the bottom of the firebox. This helps in easier starting and a more uniform burn of your fire.

3) To remove the drawer, lift slightly and slide it out. When the drawer is completely out, slide the cover plate over the ash drawer and carry away.



4) When emptying the ash drawer, make sure the ashes are cold. Ashes should be placed in a metal container with a tight fitting lid. The closed container of ashes should be placed on a non-combustible floor or on the ground, well away from all combustible materials, pending final disposal.

5) Before putting the ash drawer back into place, make sure the cover lid is off and the ash plug is back in place.

INSTALLATION

FAN INSTALLATION

NOTE: If optional Ashtray is installed, it must be removed before installing the fan. The receptacle Box must be wired for the fan cable to be plugged into.

1) Remove the thumb screw from the fan transfer tray.

2) Slide fan transfer tray fully out through the bottom louver opening.

3) Mount the fan bracket onto the fan transfer tray using the two locating pins.

4) Slide the Control Box onto the Control Box Mounting Bracket located on the front of the fan transfer tray and secure with the #8 x 3/8" screw provided (refer to Diagram 1).

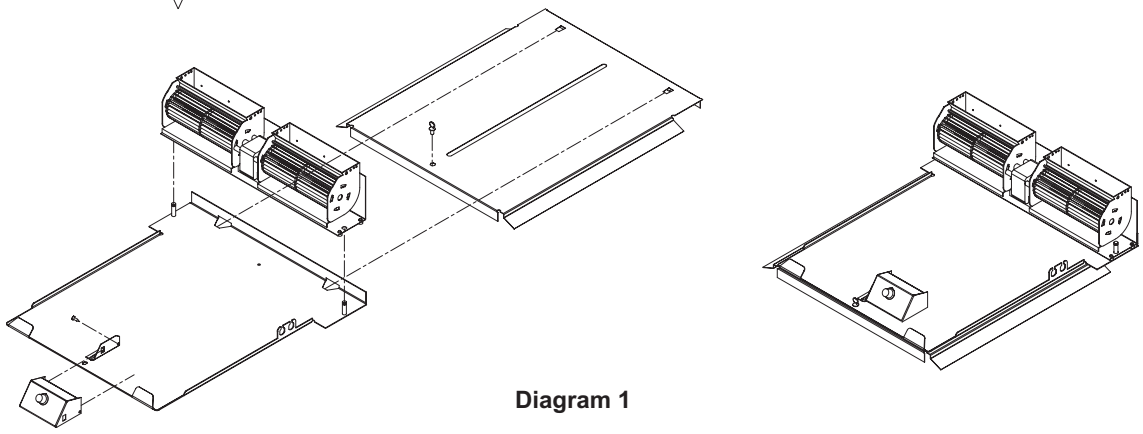


Diagram 1

5) Install the wiring as shown on the wiring diagram. Use the strength relief for running the wires from the fan transfer tray to the receptacle box or the ground screw (refer to Diagram 2).

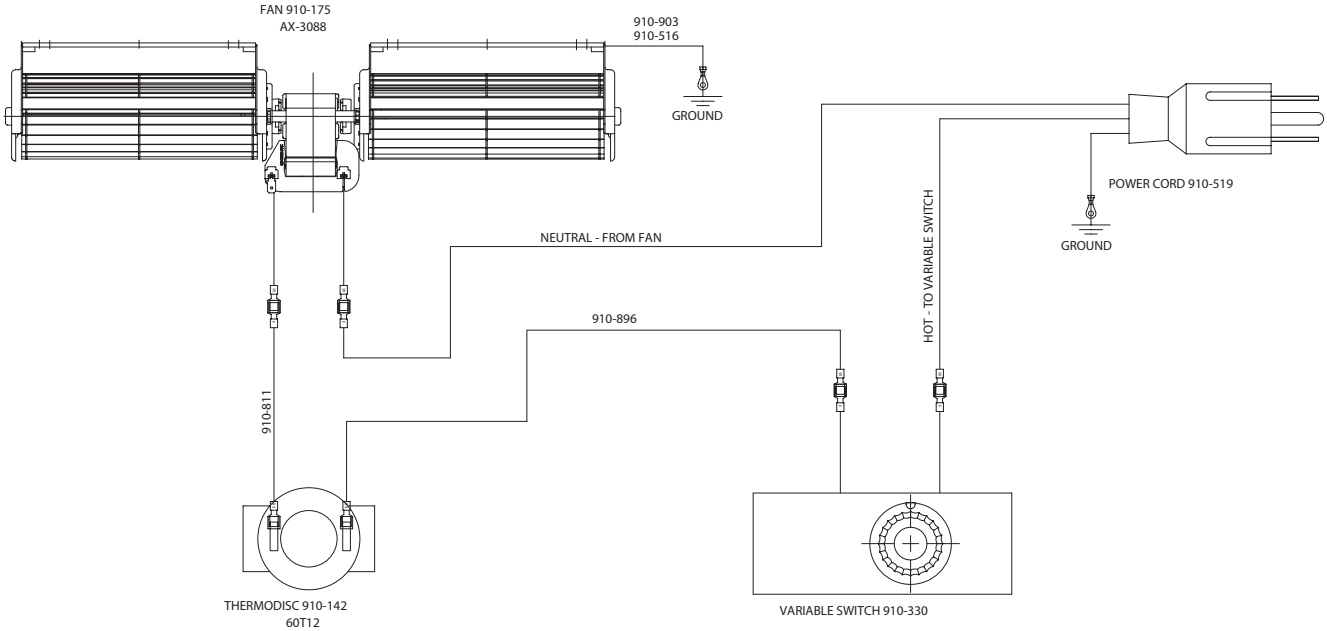
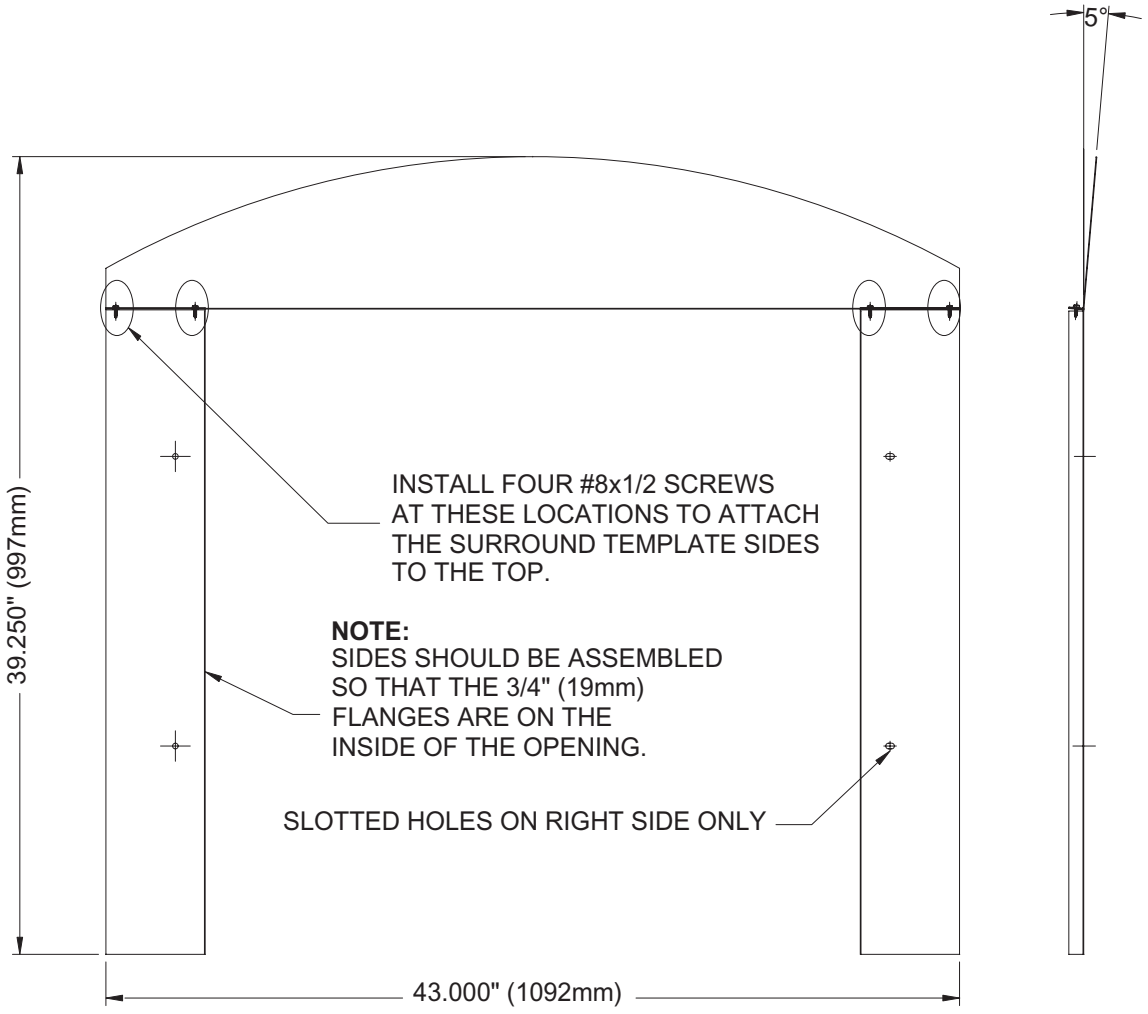


Diagram 2

6) Slide the fan transfer tray back into the unit and hook up wires to the Control Box and mount the thermo disc in place.

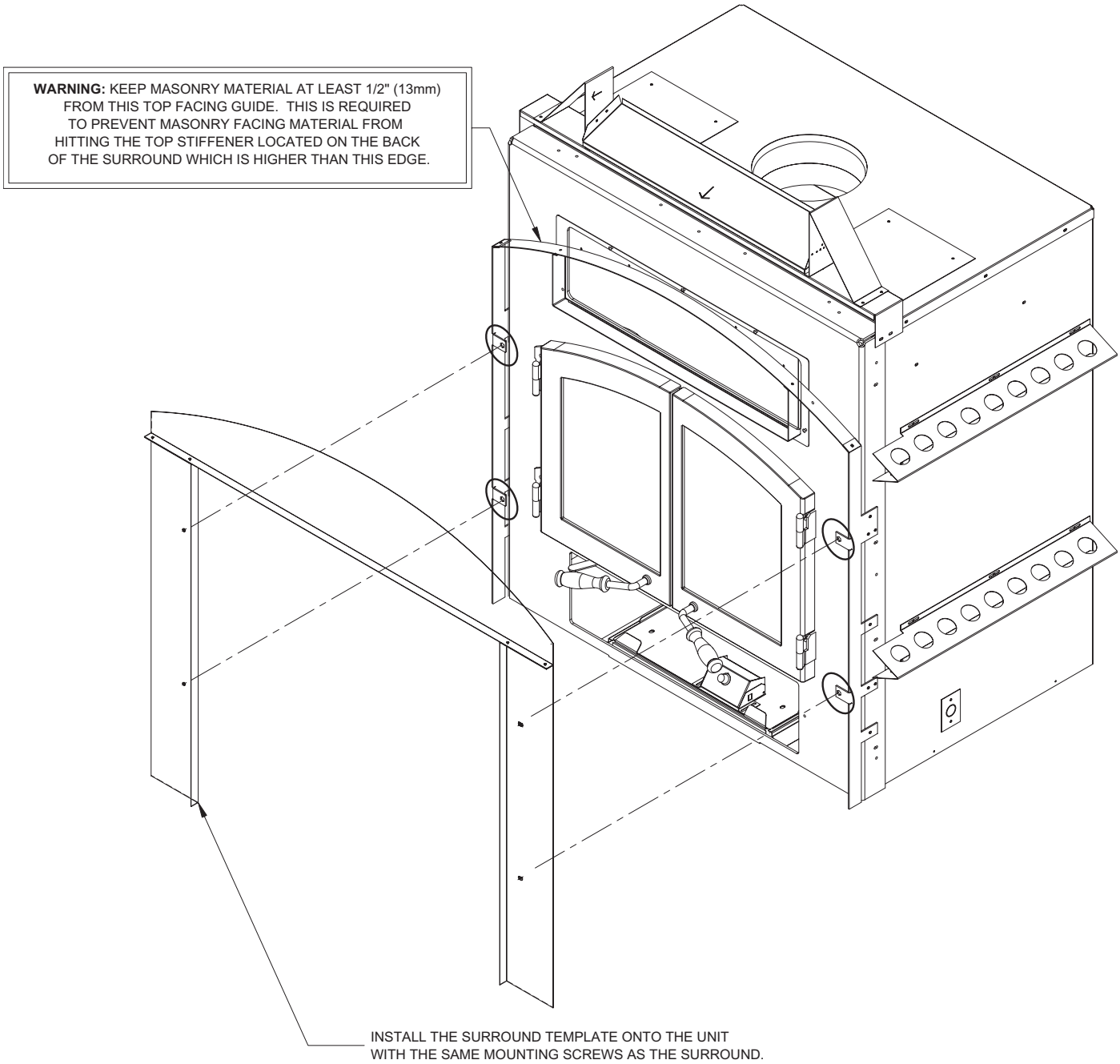
MASONRY COVER PLATE INSTALLATION

THE TOP IS ANGLED BACK AT 5 DEGREES
TO ENSURE THAT THE TEMPLATE FITS TIGHT TO THE
UNIT. THE TOP WILL BECOME MORE UPRIGHT AS THE TEMPLATE
IS TIGHTENED TO THE SURROUND MOUNTING BRACKETS



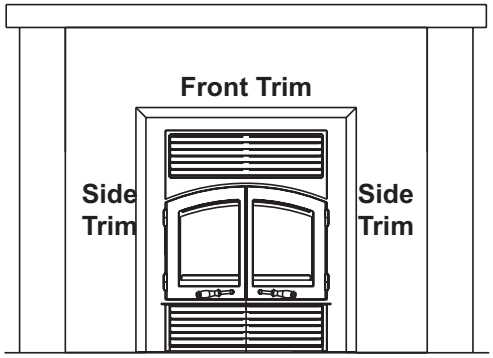
NOTE: ONCE THE TEMPLATE IS MOUNTED CHECK TO MAKE SURE THE SIDES ARE PLUMB AND 43" (1092mm) IN WIDTH

INSTALLATION


WARNING: KEEP MASONRY MATERIAL AT LEAST 1/2" (13mm) FROM THIS TOP FACING GUIDE. THIS IS REQUIRED TO PREVENT MASONRY FACING MATERIAL FROM HITTING THE TOP STIFFENER LOCATED ON THE BACK OF THE SURROUND WHICH IS HIGHER THAN THIS EDGE.
INSTALL THE SURROUND TEMPLATE ONTO THE UNIT WITH THE SAME MOUNTING SCREWS AS THE SURROUND.

FINISHING TRIM KIT INSTALLATION

1) Unit must be installed correctly according to the specification in the manual. The nailing strips must be attached to the top and sides of the unit. They must be positioned so that they are set-back ½" (13 mm) from the face of the unit. This will allow for the wall sheathing to be flush with the face of the unit and allow the trim to be installed correctly (refer to Diagram 1).



Unit With Finished Trim

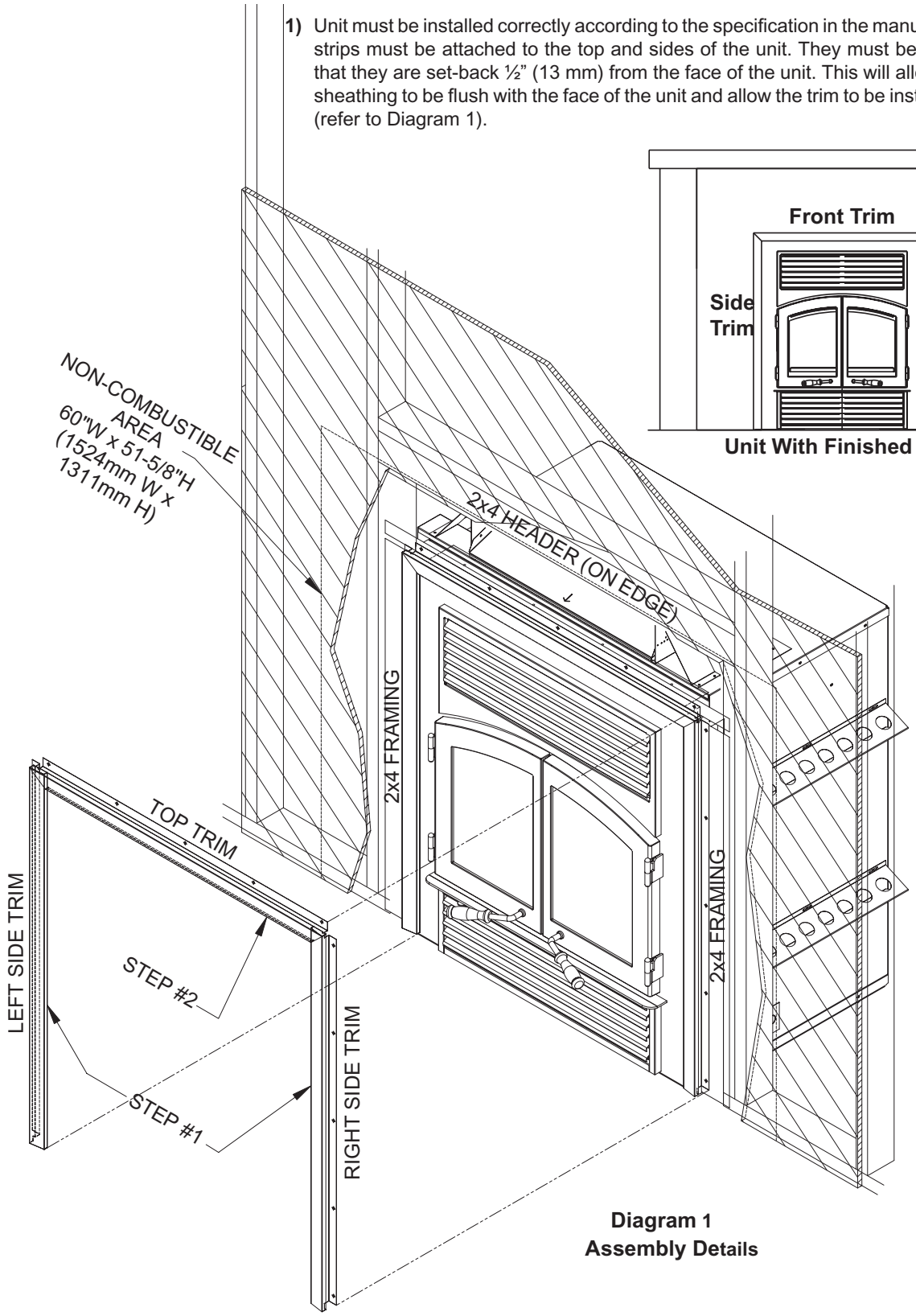


Diagram 1
Assembly Details

INSTALLATION

2) Make sure the insulation under the top stand-off is up against the back of the top nailing strip.

3) Fasten the nailing strips to the framing.

4) Install both the left and right side trim (see labels for orientation). The side trims have slotted holes to allow the sides to be adjusted once installed to ensure the top corners will fit tight. Fasten the trim to the nailing strips with the screws provided, (#8 x 9/16”) in the center of each slot.

5) Attach the top trim. Center it and attach it to the top nailing strip with self drilling screws.

6) Adjust the sides to minimize the overlap at the top corners.

7) The sheathing (up to ½” [13 mm] thick) can then be tucked into the channel of the trim to hide the cut edge (refer to Diagram 2).

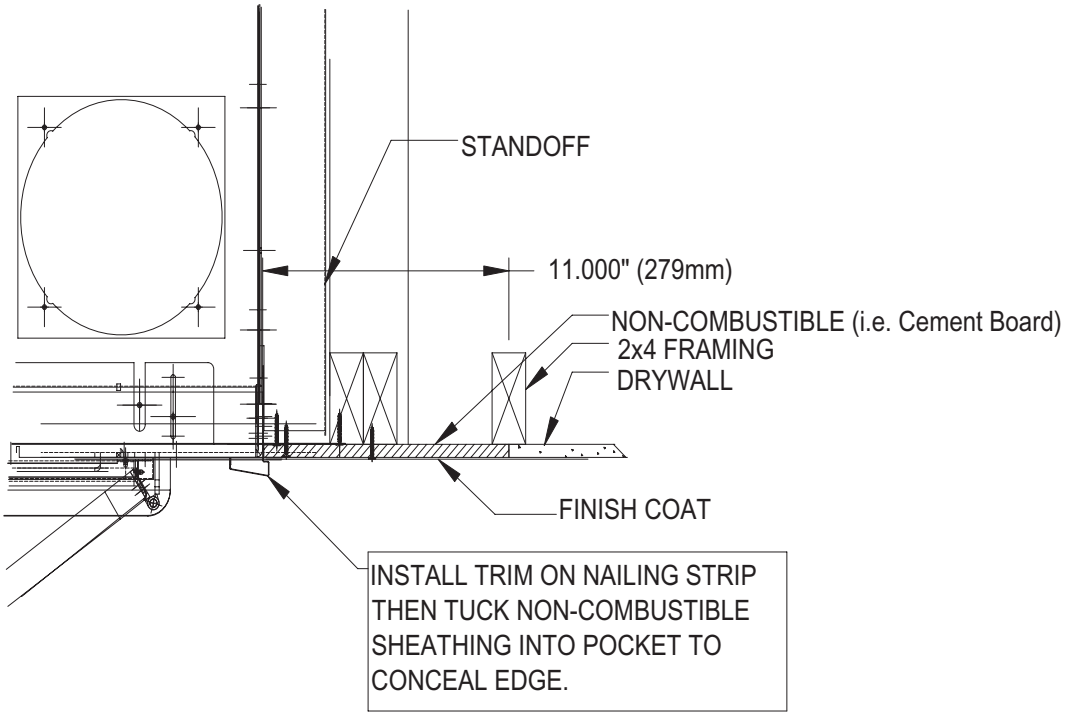


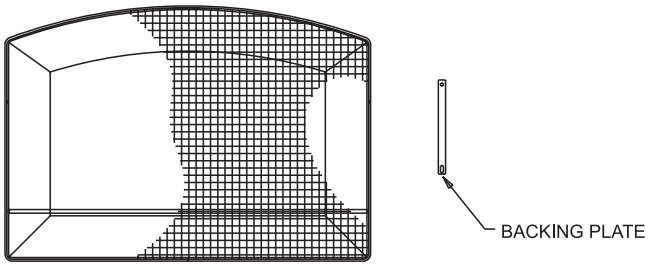
Diagram 2

8) It is recommended that the joints of the sheathing run horizontal from the top corners of the unit rather than vertical. This will reduce the heat exposure to the joints and reduce the chance of the finish from cracking.

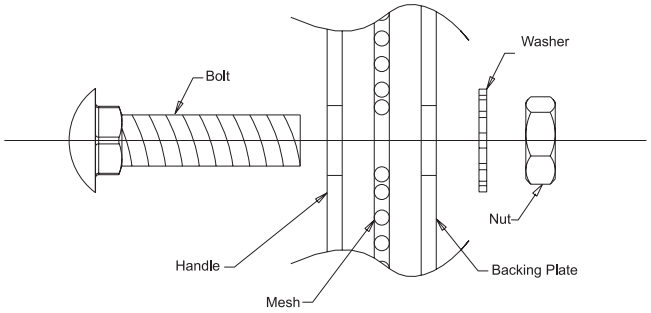
FIREPLACE SCREEN INSTALLATION

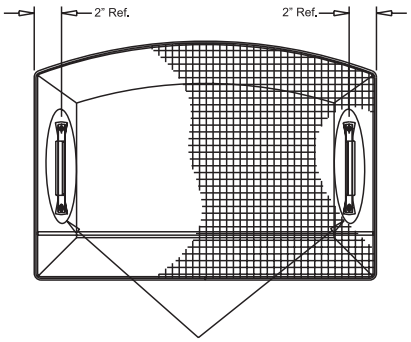
INSTALLING THE HANDLES ON THE SCREEN

1) 1 or 2 handles can be installed on the screen. Layout location of the handle using the backing plate as a guide and widen two holes in the screen with a screw driver to let the screws for the handle through.

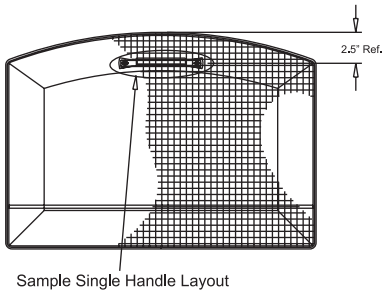


2) Fasten the handles to the screen using the fasteners provided.





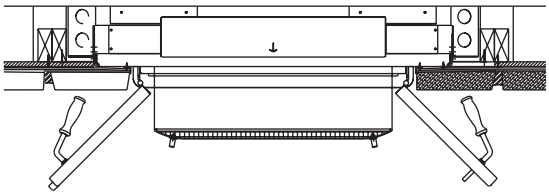
Sample Double Handle Layout



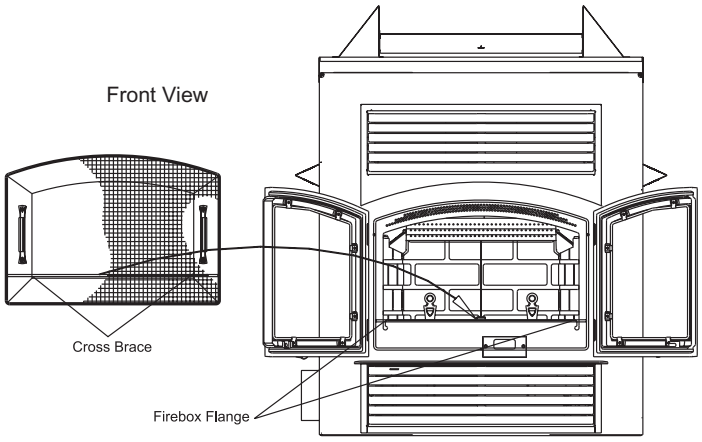
Sample Single Handle Layout

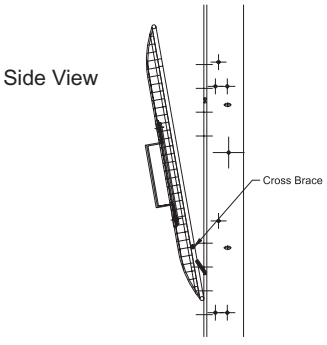
INSTALLING THE SCREEN ON THE FIREPLACE

1) Ensure doors are opened enough to allow fire screen to be installed.

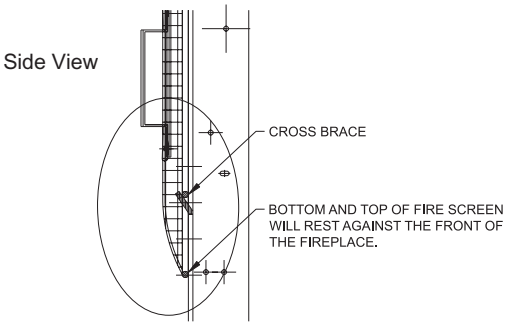


2) Tilt firescreen back only slightly and hang the left and right cross-brace just above firebox flange. Slide downwards until the cross braces are resting on the firebox flanges.





3) Install firescreen.



INSTALLATION

REGENCY LOUVER INSTALLATION

Installing the Top Louver

1) Add two (2) screws (¼-20 X ½") to the front of the fireplace for mounting the top louver. The screws must be left loose to allow the top louver to slide onto them. Adjustment of theses screws will be needed to get the louver to sit flush with the front of the fireplace.

2) Place the top louver above the mounting screws located on the front of the fireplace and slide the louver down onto the screws.

NOTE: Take care not to scratch the paint on the front of the fireplace when installing the top louver.

Installing the Bottom Louver

1) Fasten the bottom louver frame onto the front of the fireplace using two (2) screws (¼-20 X ½").

2) Take the bottom louver and slide it onto the rotation pins located on the bottom louver frame.

3) Close the bottom louver and secure on the magnets provided (refer to Diagrams 1 and 2).

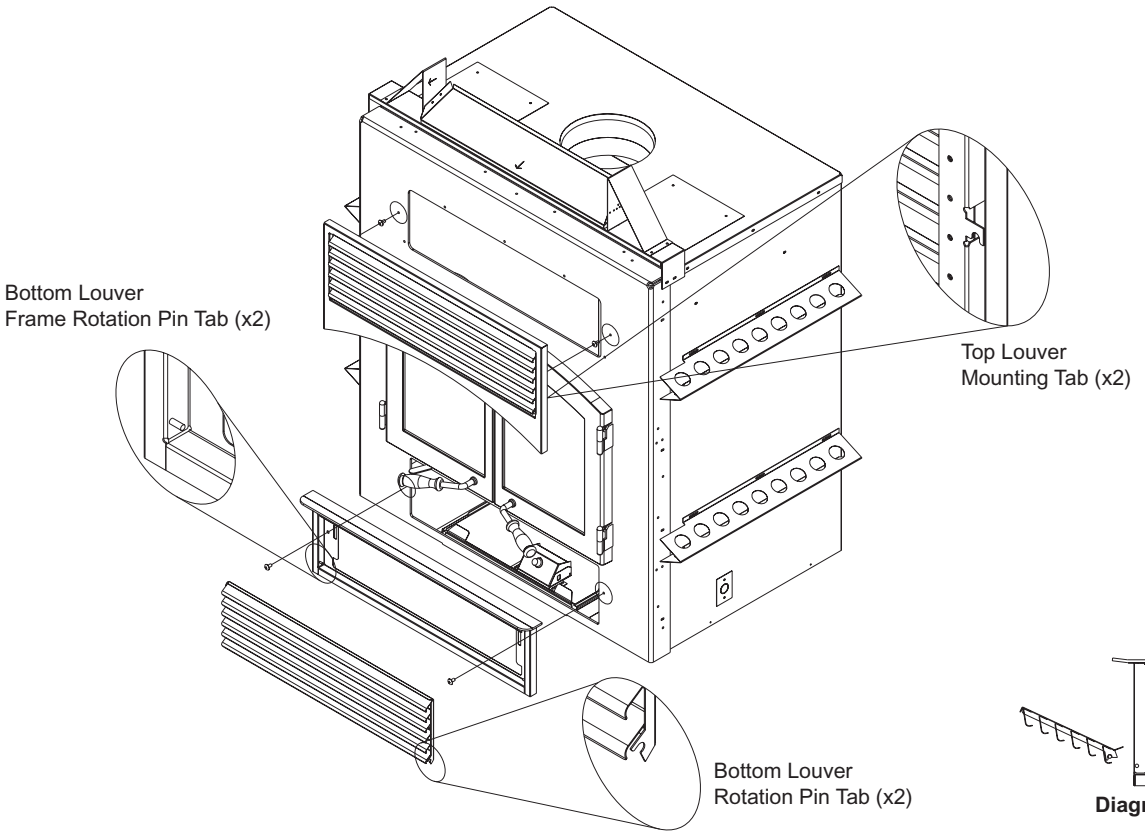


Diagram 1

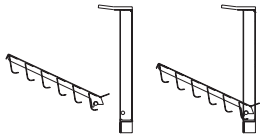


Diagram 2

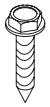
Bottom Louver Mounting Sequence

EXCALIBUR FACEPLATE INSTALLATION

NOTE: Before installing the fireplace the facing guide must be installed.

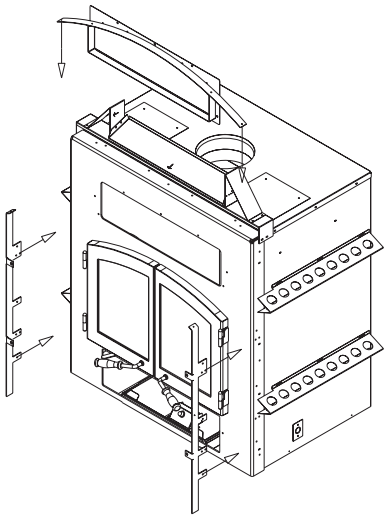
Installing the Facing Guide

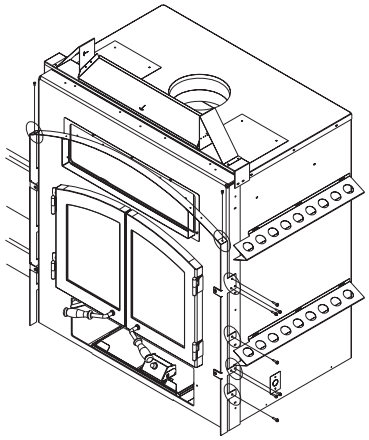
1) Secure the left and right facing guides to the fireplace with seven (7) screws (#10 x 1") on each side. Holes must be pre-drilled.



2) Install the top louver opening adapter to the face of the unit with five (5) screws (¼-20 x ½").

3) Attach the sides of the top louver opening adapter to the left and right facing guides with two (2) screws (#8 x ½").





Optional:

4) Install the optional masonry cover plate to the facing guides with four (4) screws (¼-20 x ½").

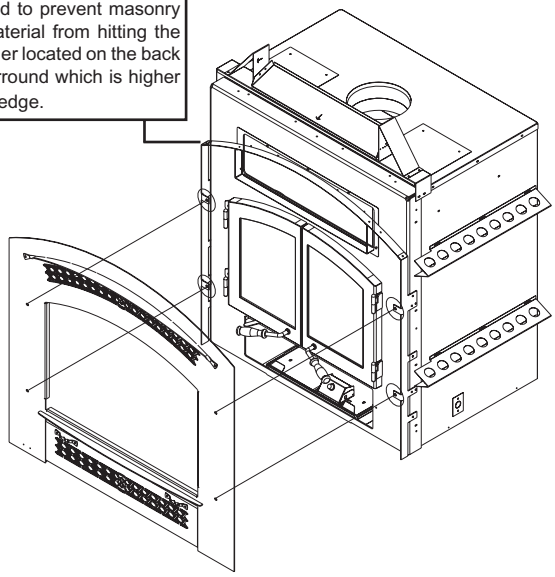
Installing the Excalibur Faceplate

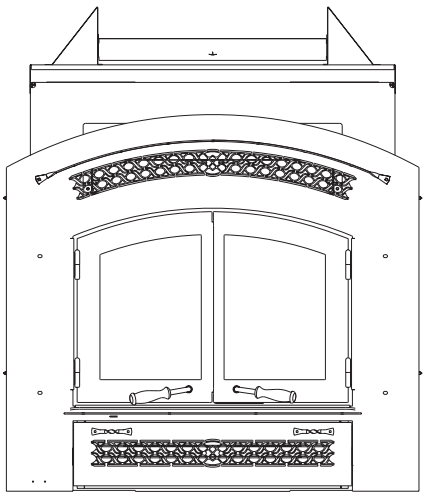
1) Remove the left and right door from the fireplace.

2) Put the Excalibur faceplate in place and secure with four (4) screws (¼-20 x ½") making sure that the faceplate is centered.

3) Replace the left and right doors on the hinges.

WARNING: Keep masonry material at least 1/2" (13mm) from this top facing guide. This is required to prevent masonry facing material from hitting the top stiffener located on the back of the surround which is higher than this edge.

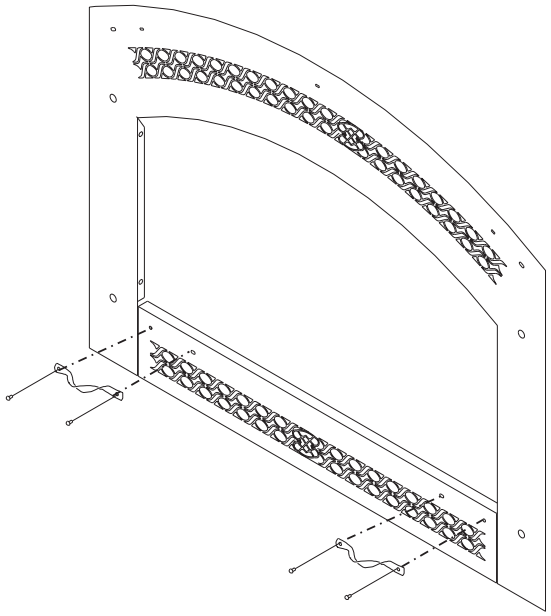




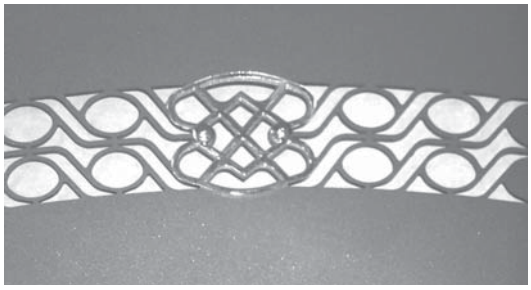
INSTALLATION

EXCALIBUR ACCENT KIT INSTALLATION

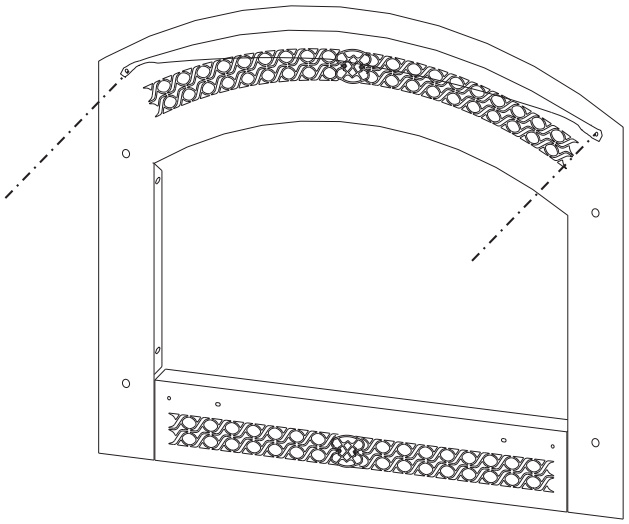
1) Remove the handles by removing the nut and screw. Install the new handles by placing them in position over the holes on the surround louver. Put the screws through the holes and secure them by tightening the nut.



2) Place the emblem over the emblem design on the surround. Insert the studs through the holes. To secure them first put on the split lock washer and then the nut and tighten.



3) Remove the 2 studs on the sides of the Hood. Insert the new studs through the holes and secure them by first putting on the washer and then tighten the nut.

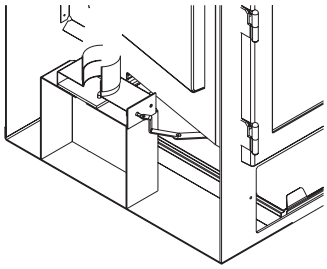


4) Re-install faceplate with plated screws.

OPERATING INSTRUCTIONS

Draft Control

Both the primary and air wash drafts are controlled by the control rod located behind the bottom louver. To increase your draft, pull to the right for **open**, to decrease push to the left for **closed.**



WARNING: Do not build the fire too close to the glass.

FIRST FIRE

When your installation is completed and inspected you are ready for your first fire.

1) Open draft control fully to the right to open.

2) Open firebox doors and build a small fire using paper and dry kindling. Secure doors on the firebox and wait a few minutes for a good updraft in the flue to establish the fire. Leaving the doors slightly open will help your fire start more rapidly and keep glass clean. Add more kindling to establish a hot coal bed before adding larger cordwood.

CAUTION: Fireplace equipped with doors should be operated only with doors fully open or doors fully closed. If doors are left partly open, gas and flame may be drawn out of the fireplace opening, creating risks of both fire and smoke.

3) With the draft still in the fully open position add two or three seasoned logs to your fire. Form a trench in the ash bed to allow air to reach the rear of the firebox prior to closing the doors.

4) **During the first few days it may be more difficult to start the fire. As you dry out your firebrick, your draft will increase.** Due to the large quantity of firebrick, which has a high water content, it may take many fires (20 or more) to thoroughly cure the firebrick. The firebrick will become lighter in colour as it dries out.

5) After about 15 to 20 minutes, when your wood has begun to burn strongly, adjust your draft control down to keep the fire at a moderate level.

WARNING: Never build a roaring fire in a cold stove. Always warm your stove up slowly!

6) Once a bed of coals has been established, you may adjust the draft control to a low setting to operate the unit at its most efficient mode.

7) For the first few days, the stove will give off an odour from the paint and oil burn off. This is to be expected as the high temperature paint becomes seasoned. Windows and/or doors should be left open to provide adequate ventilation while this temporary condition exists. Burning the stove at a very high temperature the first few times may damage the paint. Burn fires at a moderate level the first few days.

8) For those units installed at higher elevations drafting problems may occur. Consult an experienced dealer on methods of increasing your draft. Follow the Flue Height Chart (Table 2, page 15).

9) Some cracking and popping noises may be experienced during the heating up process. These noises will be minimal when your unit reaches temperature.

10) Before opening your door to reload, open draft fully for approximately 10 to 15 seconds until fire has been re-established. This will minimize any smoking.

11) All fuel burning appliances consume oxygen during operation. It is important that you supply a source of fresh air to your unit while burning. Air drawn from the interior of the building will affect the performance of gas or oil furnaces, and exhaust fans and fan driven appliances. This may cause a negative pressure in the house allowing smoke to back into the home. The preferred source of combustion air is from outside the building. If possible, install the kit on the wind loading side of the building not the leeward or (negative pressure) side.

12) Green or wet wood is not recommended for your unit since most of the energy will be used to drive off the moisture instead of heating your home. As well, green or wet wood can result in dirty glass.

13) Always maintain clean glass. Clean glass means a clean flue; if you are experiencing dirty glass you may be operating a fire that is set too low. Ask your dealer for details.

14) Keep your spark arrester on the flue clean. It should be checked and maintained regularly, at least monthly.

SAFETY GUIDELINES

1) Never use gasoline, gasoline type lantern fuels, kerosene, charcoal lighter fuel or similar liquids to start or 'freshen up' a fire in your fireplace. Keep all such liquids well away from the unit while in use.

2) **Keep the doors closed during operation. Doors can be fully open during operation when optional fire screen door is used. Maintain all seals in good condition.**

3) Do not burn large quantities of paper in your fireplace.

4) If you have smoke detectors, prevent smoke spillage as this may set off a false alarm.

5) Do not overfire fireplace. If overfiring takes place, stop adding fuel and close the draft control. Overfiring can cause extensive damage to your unit including warpage and premature steel corrosion**. Overfiring will void your warranty.**

6) Do not permit creosote or soot build-up in the chimney system. Check and clean chimney at regular intervals.

7) The fireplace face can be very hot. You may be seriously burned if you touch the unit while in operation. Warn children of the burn hazard.

8) Do not connect this unit to a chimney flue serving another appliance.

9) Do not use grates or andirons or other methods for supporting fuel. Burn directly on the bricks.

10) When re-fuelling the fire turn off blowers, open draft prior to slowly opening the door. Failure to do so could result in smoke spillage.

11) Your unit should burn dry, standard firewood only. The use of "mill ends" is discouraged as this fuel can easily overheat your fireplace. Evidence of excessive overheating will void your warranty. As well, a large portion of sawmill waste is chemically treated lumber, which is illegal to burn in many areas. Salt drift wood, chemically treated fire logs and pressure treated woods, green or wet wood, must not be burned in your woodstoves.

12) Do not store any fuel closer than 3 feet from your unit.

13) Clearances from front of the fireplace to combustible materials is 36" (i.e. from a sofa, table, etc.).

14) **IMPORTANT**: Do not obstruct the convection louvers at any time. Blocking air into this area will cause excessively high firebox temperatures and a potentially dangerous situation.

15) Creosote: Formation and need for removal. When wood is burned slowly, it produces tar and other organic vapors, which combine with expelled moisture to form creosote. The creosote vapors condense in the relatively cool chimney flue of a slow-burning fire. As a result, creosote residue accumulates on the flue lining. When ignited, this creosote makes an extremely hot fire. The chimney shall be inspected at least twice a year during the heating season to determine when a creosote buildup has occurred. If creosote has accumulated it shall be removed to reduce the risk of a chimney fire.

MAINTENANCE

PLATED FINISHES

The optional plated finishes on the louvers and surrounds requires little maintenance and needs only to be cleaned with a damp cloth. **DO NOT** use abrasive materials or chemical cleaners, as they may harm the finish and void the warranty. Keep doors and louvers off during construction to avoid damage.

DOOR GASKET

If the door gasket requires replacement, you must use 5/8" (16mm) diameter oval, medium density material, 34" (864mm) long for each side. A proper high temperature gasket adhesive is required. Contact your dealer for the Regency Gasket Repair Kit.

DOOR HINGES

Grease door hinges with high temperature grease regularly for smooth operation and to avoid squeaks.

GLASS CLEANING

Only clean your glass window when it is cool. Your local retailer can supply you with a recommended glass cleaner if plain water and a soft cloth does not remove all deposits. Do not use oven cleaner on the glass as it will etch the glass.

Do not use any type of abrasive cleaner to clean glass.

GLASS REMOVAL / REPLACEMENT

Allow the stove to cool before removing or replacing glass. Remove the door from the fireplace and remove the glass retainer. Use caution when removing broken glass to avoid injury. When placing the replacement glass in the door, make sure that the glass gasketing will properly seal your unit. Replace the retainer and tighten securely, but do not wrench down on the glass as this may cause breakage. Do not substitute materials. If your glass door breaks, do not use your unit until it has been replaced.

CHIMNEY CLEANING

Do not permit any creosote or soot build-up in the chimney system. If you detect any build-up contact a qualified chimney sweep or clean it yourself. Perform the following steps:

a. Remove the first secondary air tube and baffles.

b. Remove the termination cap by removing the screws and lifting.

c. Make sure fireplace doors are shut to prevent soot and dirt from entering the loom.

d. Clean chimney with either nylon or steel brush.

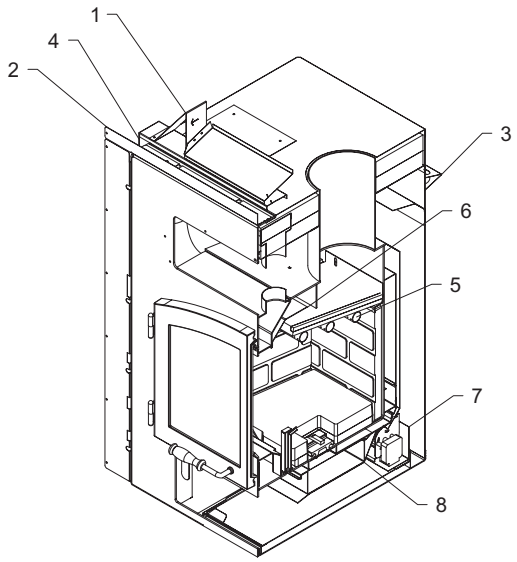
e. Replace chimney cap.

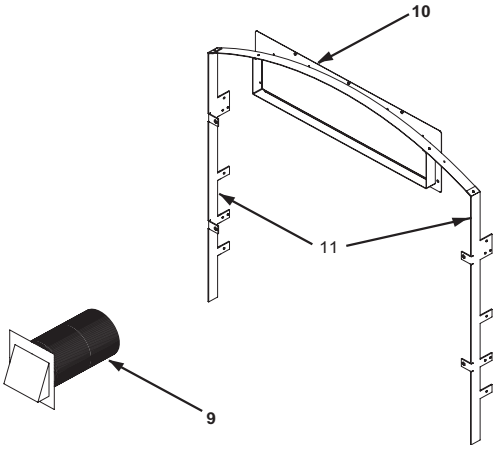
f. Re-install baffles and secondary tubes.

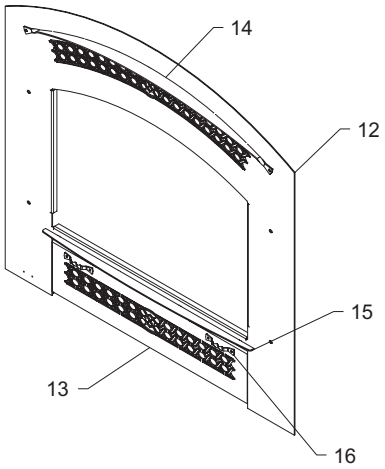
PARTS LIST- FIREBOX & BODY

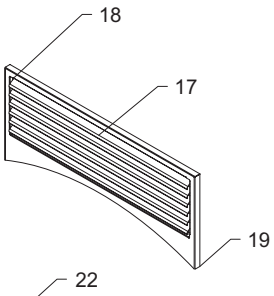
Part #	Description
1) 001-127	Heat Deflector Top
001-128	Stand Off Top - Right Side
001-129	Stand Off Top - Left Side
001-130	Support Top Stand Off
2) 001-122	Nailing Strip - Top
001-123	Nailing Strip - Right
001-124	Nailing Strip - Left
001-302	Nailing Strip Spacer
3) 001-125F	Stand Off Sides
001-273F	Stand Off Back
4) 001-274	Top Stand Off Insulation
5) 001-250	Air Tube
6) 001-161	Smoke Deflector
7) 910-142	Thermodisc 60T12
910-175/P	Fan Jakel (AX3088)
910-330	Variable Switch
8) 001-911	Ash Drawer Complete
	Shelf Ash Drawer
	Ash Drawer
	Ash Drawer Lid
942-110	Ash Plug
820-375	Ash Hole Cover Plate
	Retainer Plate
9) 948-326	Intake Pipe 6"
948-327	Intake Pipe Insulation
948-416	6" Outside Air Kit

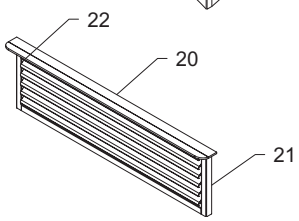
Part #	Description
10) 001-038	Grill Duct - Top
001-039	Grill Duct - Bottom
001-040F	Grill Duct - Plate
11) 001-042	Facing Guide - Right Side
001-043	Facing Guide - Left Side
001-921	Surround Black
001-925	Surround Polished Nickel
12)	Surround
13)	Lower Grille Surround
14)	Hood - Surround
15)	Ashlip - Surround
16)	Handles
001-931	Flush Black
001-932	Flush Black/Gold
001-933	Flush Black/Steel
17)	Louver Classic Unit
18)	Louver Support Frame - Top Grille
19)	Boarder Frame - Top Grille
20)	Ashlip Classic Wood Fireplace
21)	Border Frame - Bottom Grille
22)	Louver Support Frame - Bottom Grille







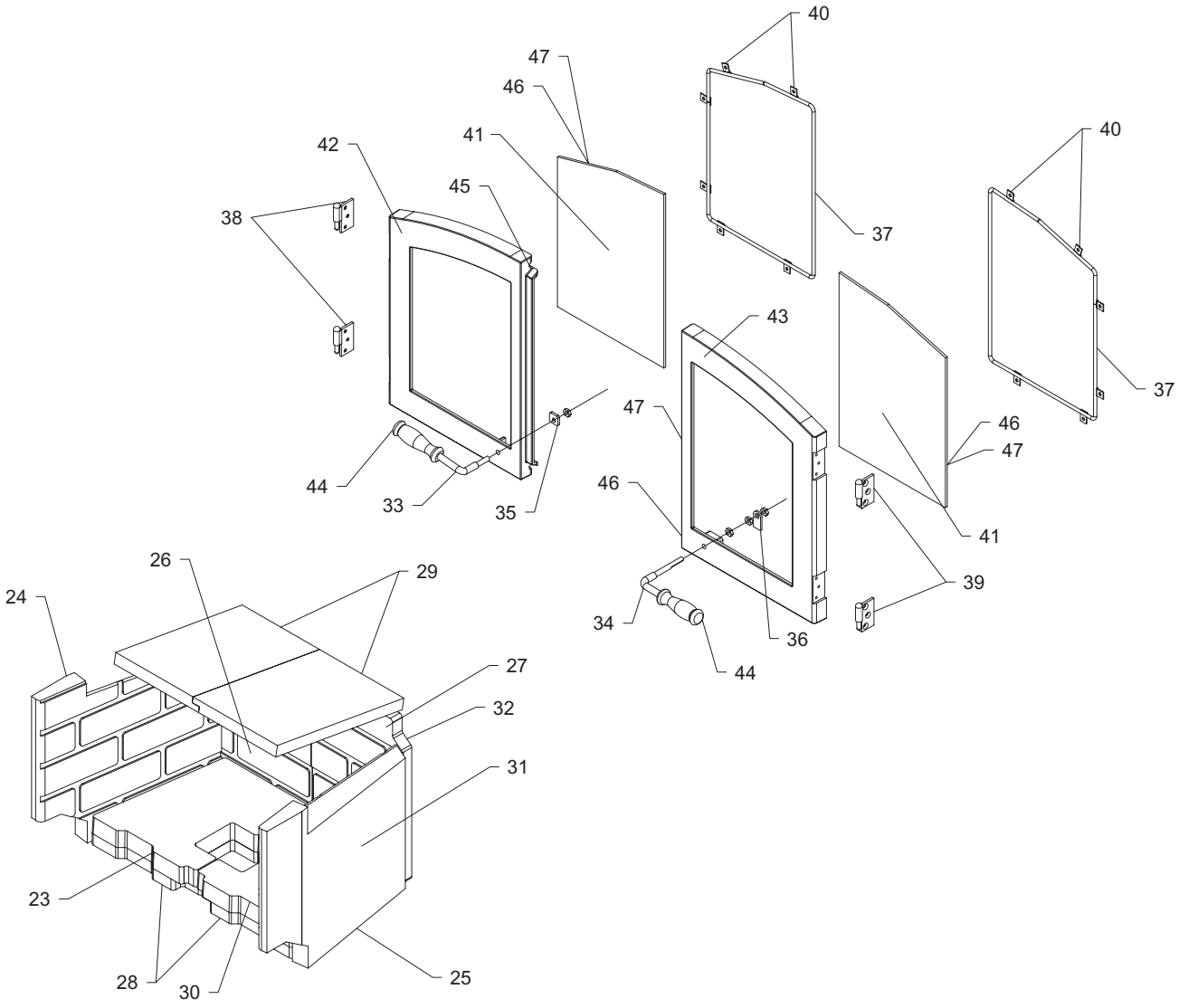




PARTS LIST- BAFFLES, DOOR, OPTIONS

	Part #	Description
23)	902-534	Brick Liner - Bottom Left
24)	902-535	Vermiculite Liner - Left Side
25)	902-536	Vermiculite Liner - Right Side
26)	902-537	Brick Liner - Back Left
27)	902-538	Brick Liner - Back Right
28)	902-539	Vermiculite Liner - Bottom
29)	902-566	Baffle Firebox Top - Left and Right
30)	902-581	Side Brick Liner - Bottom Right
31)	001-214	Insulation Side Liner
32)	001-276	Insulation Back Liner
	001-550	Door Handle Assembly Complete - Left
	001-551	Door Handle Assembly Complete - Right
33)	001-137	Steel Handle - Left Door
34)	001-138	Steel Handle - Right Door
35)	001-147F	Anchor Bracket - Left Handle

	Part #	Description
36)	001-170	Door Latch [Double]
37)	001-278	Double Door Glass Retaining Rod
38)	001-292F	Hinge Mounting Plate - Left Male
	815-242	Hinge Pin - Male
39)	001-293F	Hinge Mounting Plate - Right Male
	815-242	Hinge Pin - Male
40)	820-184	Clip Glass Retainer
41)	940-341/P	Glass [Double Door]
42)	942-772	Ex90 Double Door - Ls
43)	942-773	Ex90 Double Door - Rs
44)	948-449	Wood Handle - Oak
45)	936-060	Rope Gasket 5/8 Med Desnity
46)	936-243	Tape 7/8 Window Adhesive
47)	936-299	Tape 3/16 X 3/8in.



Regency Fireplace Products are designed with reliability and simplicity in mind. In addition, our internal Quality Assurance Team carefully inspects each unit thoroughly before it leaves our door. FPI Fireplace Products International Ltd. is pleased to extend this limited lifetime warranty to the original purchaser of a Regency Product. This warranty is not transferable.

The Warranty: Lifetime
Covered under the agreement are the following components:

Firebox, ceramic baffle, vermiculite baffle, steel baffles (H2100), convector airmate, castings, ashdrawer, glass (thermal breakage), gold plating (against defective manufacture), airtubes (against warpage) and door handles.

The above will be covered for parts and subsidized labour for the first five years and parts only thereafter with the exception of the fireboxes (see below).

FPI is not liable for freight or labor on any wood burning appliance replaced in field.

Electrical components such as blowers, switches and thermodisc's are covered for two years parts and one year subsidized labour* from date of purchase.

Repair/replacement parts purchased by the consumer from FPI after the original coverage has expired on the unit will carry a 90 day warranty, valid with a receipt only. Any item shown to be defective will be repaired or replaced at our discretion. No labor coverage is included with these parts.

Conditions:
Any part or parts of this unit which in our judgement show evidence of such defects will be repaired or replaced at FPI's option, through an accredited distributor or agent provided that the defective part be returned to the distributor or agent **Transportation Prepaid,** if requested.

It is the general practice of FPI to charge for larger, higher priced replacement parts and issue credit once the replaced component has been returned to FPI and evaluated for manufacturer defect.

The authorized selling dealer is responsible for all in-field service work carried out on your Regency product. FPI will not be liable for results or costs of workmanship from unauthorized service persons or dealers.

At all times FPI reserves the right to inspect product in the field which is claimed to be defective.

All claims must be submitted to FPI by authorized selling dealers. It is essential that all submitted claims provide all of the necessary information including customer name, purchase date, serial #, type of unit, problem, and part or parts requested, without this information the warranty will be invalid.

Exclusions:
This limited Lifetime Warranty does not extend to or include paint, door or glass gasketing, firebrick or trim. It does not cover installation and operational related problems such as over-firing, use of corrosive driftwood, downdrafts or spillage caused by environmental conditions, nearby trees, buildings, hilltops, mountains, inadequate venting or ventilation, excessive offsets, negative air pressures caused by mechanical systems such as furnaces, fans, clothes dryers etc.

At no time will FPI be liable for any consequential damages which exceed the purchase price of the unit. FPI has no obligation to enhance or modify any unit once manufactured. ie. as products evolve, field modifications or upgrades will not be performed.

FPI will not be liable for travel costs for service work.

Installation and environmental problems are not the responsibility of the manufacturer and therefore are not covered under the terms of this warranty policy.

Any unit which shows signs of neglect or misuse is not covered under the terms of this warranty policy.

The warranty will not extend to any part which has been tampered with or altered in any way, or in our judgment has been subject to misuse.

Freight damage to stoves and replacement parts is not covered by warranty and is subject to a claim against the freight carrier by the dealer.

FPI will not be liable for acts of God, or acts of terrorism, which cause malfunction of the appliance.

Performance problems due to operator error will not be covered by this warranty policy.

Products made or provided by other manufacturers and used in conjunction with the operation of this appliance without prior authorization from FPI, may nullify your warranty on this product.

** Subsidy according to job scale as predetermined by FPI.*

Regency fireplace products are designed with reliability and simplicity in mind. In addition, our internal Quality Assurance Team carefully inspects each unit thoroughly before it leaves our door.

Fireplace Products International Ltd. is pleased to extend this Limited Lifetime Warranty to the original purchaser of a Regency Product.

See the inside back cover for details.

Register your Regency online at http://www.regency-fire.com

Installer: Please complete the following information

Dealer Name & Address:_____

_____

Installer: _____

Phone #: _____

Date Installed: _____

Serial No.:_____

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